UNIVERSITAS DIPONEGORO
The Excellent Research University

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Description of Course Catalogue:
Fall Semester

DEEP

Diponegoro Exchange Experience
Programme

2026

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Course Title   **Introduction of Public Policy**

Course Code   SAP1624301

Credits   **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides a foundational overview of public policy, exploring its scope, actors, and processes. It begins by examining the relationship between state governance and public policy, highlighting how state functions and structures influence policy outcomes. Students will learn to identify the various actors involved in policy formulation, the values that shape decision-making, and the nature of public problems that necessitate policy intervention. The course also introduces students to fundamental models of public policy analysis, equipping them with the initial tools to understand how policies are made, implemented, and evaluated. By the end of this course, students will have a solid grasp of the core concepts and frameworks used in the study of public policy.

Expected Learning Outcomes:
1. Able to understand the scope of public policy studies, including the relationship between state administration and public policy.
2. Able to identify key actors in policy formulation, the values that influence decision-making, and public problems.
3. Able to analyze public policy analysis models.

Course Title   : **Leadership and Decision Making**

Course Code   :   SAP1624303

Credits   :   **4.8 ECTS**   Type of Course: Mandatory

Course Description   :

This course provides a foundational overview of public policy, exploring its scope, actors, and processes. It begins by examining the relationship between state governance and public policy, highlighting how state functions and structures influence policy outcomes. Students will learn to identify the various actors involved in policy formulation, the values that shape decision-making, and the nature of public problems that necessitate policy intervention. The course also introduces students to fundamental models of public policy analysis, equipping them with the initial tools to understand how policies are made, implemented, and evaluated. By the end of this course, students will have a solid grasp of the core concepts and frameworks used in the study of public policy.

Expected Learning Outcomes:
1. Able to understand the concepts and theories of leadership.
2. Able to apply appropriate decision-making methods in the context of problem-solving within their area of expertise, and to integrate these methods with leadership theories.
3. Able to analyze the process of self-evaluation for group work under their responsibility by using leadership concepts.

Course Title : State Administration System of the Republic of Indonesia

Course Code : SAP1624304

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides a comprehensive overview of the State Administration System of the Republic of Indonesia. It is designed to give students a deep understanding of the fundamental concepts that govern state organization, public policy, public budgeting, and personnel administration, with an emphasis on how these concepts are applied across government bodies, state-owned enterprises, and public service delivery.
The curriculum covers key areas such as national development planning, performance monitoring and accountability systems, and the legal framework for government procurement. This course aims to equip students with the analytical skills to apply a systemic approach to administrative problems, to construct and evaluate value within public services, and to understand the constitutional and legal foundations of the Indonesian state system. By the end of this course, students will be able to critically analyze the mechanisms of public administration in Indonesia and their role in effective governance.

Expected Learning Outcomes:

1. Able to understand the scope of public policy studies, including the relationship between state administration and public policy.
2. Able to identify key actors in policy formulation, the values that influence decision-making, and public problems.
3. Able to analyze public policy analysis models.

Course Title : Development Administration and Regional Autonomy

Course Code : SAP1624306

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course studies regional autonomy regulations, including the development paradigm, prismatic society and its evolution, decentralization, and deconcentration. It is expected to serve as a foundation for the study and analysis of various cases related to the territorial dimensions of autonomy.

Expected Learning Outcomes:

1. Able to understand the Development Paradigm
2. Able to analyze Prismatic Society and its evolution
3. Able to analyze Devolution, Decentralization, Deconcentration

Course Title : **Policy Advocacy and Communication**

Course Code : SAP1624501

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course focuses on the concept of policy advocacy and the skills required to apply policy communication models. Students will be trained to understand the essence of policy advocacy, including the strategies, methods, and tools used in the advocacy process.

Expected Learning Outcomes:

1. Able to understand policy advocacy
2. Able to apply policy communication models
3. Able to analyze and articulate advocacy strategies

Course Title : **Environmental and Coastal Governance**

Course Code : SAP1624505

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course aims to provide an understanding of the concept of Sustainable Development and the challenges of environmental management, particularly in the context of climate change. Students will study the impact of climate change as a major challenge in environmental management and apply sustainable development concepts in coastal area development. Focusing on coastal ecosystem preservation, climate change mitigation, and sustainable economic development for coastal communities, students are expected to become stakeholders who play a key role in protecting and preserving the environment while enhancing the well-being of coastal communities in a sustainable manner.

Expected Learning Outcomes:

1. Able to understand the concept of Sustainable Development
2. Able to understand Climate change as an environmental management challenge
3. Able to apply sustainable development to coastal area development

Faculty of Social and Political Sciences
Public Administration

Course Title : **Collaborative Governance**

Course Code : SAP1624507

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course explores the concepts, principles, theories, and practices related to collaborative governance and intergovernmental relations. The main goal of this course is to introduce students to key aspects of collaboration and government governance. Through case studies, discussions, and practical exercises, students will be able to analyze the effectiveness of public-private partnerships.

Expected Learning Outcomes:

1. Able to understand the concept of Collaborative Governance
2. Able to apply the principle of collaboration in Intergovernmental relation
3. Able to analyze the effectiveness of Public Private Partnership

Course Title : **Public Policy Analysis**

Course Code : SAP1624506

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course focuses on policy analysis models and trains students to critically analyze public policies. Students will develop the ability to identify policy issues, evaluate various policy alternatives, and formulate recommendations based on solid analysis. They will also be taught to apply policy analysis techniques in real-world contexts, preparing them to become effective policy analysis practitioners.

Expected Learning Outcomes:

1. Able to understand the Policy Analysis model
2. Able to analyze the policy analysis model to determine alternatives and policy recommendations
3. Able to apply Policy Analysis Techniques

Faculty of Social and Political Sciences
Public Administration

Course Title : **Digital Governance**

Course Code : SAP1624502

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides an understanding of the implementation of digital governance. The main goal of this course is to introduce students to the key aspects of digital governance. Through case studies, discussions, and practical exercises, students will be able to analyze the impact of digitalization.

Expected Learning Outcomes:

1. Able to understand the concept of Digital Transformation in management and public policy
2. Able to apply the concept of E Government Nomenclature in egovernment practices
3. Able to analyze the implementation of Smart City at the local level

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Course Title : **Behavior and Public Organization Analysis**

Course Code : SAP1624504

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides an understanding of organizational behavior and its implications within organizations through organizational analysis tools. Through case studies, discussions, and practical exercises, students will develop the ability to analyze and apply concepts related to organizational behavior effectively.

Expected Learning Outcomes:

1. Able to understand the concept of Public Organizational Behavior
2. Able to apply the principles of Agile Bureaucracy in the context of Indonesia
3. Able to analyze public organizations using organizational analysis tools

Course Title : **Environmental Management**

Course Code : SAB1624309

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The Environmental Management course is designed for undergraduate students to provide an understanding of the fundamental concepts, generalizations, and theories within the discipline of environmental management. Various topics will be presented and discussed, including understanding the definition of environmental management, its urgency, sustainable development, environmental quality standards, ISO 14,000 issues, and internal corporate environmental management.

Expected Learning Outcomes:

Students have the ability to internalize external costs through cleaner production, both in manufacturing and service businesses.

Course Title : **Digital Marketing**

Course Code : SAB1624311

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Digital Marketing is a course designed to equip students with the knowledge and skills to effectively promote products and services using digital platforms. The course covers key concepts such as search engine optimization (SEO), social media marketing, content creation, email marketing, pay-per-click (PPC) advertising, and analytics tools. Students will learn how to craft targeted marketing campaigns, analyze consumer behavior, and leverage digital channels to enhance brand visibility and drive engagement. By the end of the course, students will be capable of creating and executing comprehensive digital marketing strategies tailored to meet organizational goals in a rapidly evolving digital landscape.

Expected Learning Outcomes:

Students have knowledge about the scope of digital marketing, digital marketing fundamentals, strategy development, implementation and practice of digital marketing.

Course Title : **Audit Internal**

Course Code : SAB1624312

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

The Internal Audit course is an introductory course for undergraduate students designed to provide an understanding of the fundamental concepts, generalizations, and theories of internal auditing, including the practice and planning of internal audits. Various topics will be presented and discussed, including the basic concepts of internal audit, standards for internal audit practices, internal controls, audit risk management, internal audit planning, fieldwork, audit findings, working papers, Good Corporate Governance, Quality Assurance, fraud prevention, and communication with stakeholders.

Expected Learning Outcomes:

Able to explain the implementation process, compile audit planning, apply audit procedures in the field and prepare audit reports based on the Internal Auditor Professional Standards

Course Title : **Business Intelligence**

Course Code : SAB1624522

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

Business Intelligence (BI) is a course that focuses on the techniques and tools used to collect, process, and analyze business data to support informed decision-making. The course introduces students to concepts such as data mining, data visualization, performance metrics, and reporting systems. Topics include the use of BI tools and software to identify trends, forecast outcomes, and optimize business strategies. By the end of the course, students will understand how to transform raw data into actionable insights, empowering businesses to achieve operational efficiency and maintain a competitive edge in the market.

Expected Learning Outcomes:

Possesing the current business climate by using the right data and approach to analyze the business environment.

Faculty of Social and Political Sciences
Business Administration

Course Title : **Consumer Behavior**

Course Code : SAB1624525

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The Consumer Behavior course is designed to provide an understanding of the fundamental concepts, generalizations, and theories within the discipline of consumer behavior. Various topics will be presented and discussed, including the concept of consumer behavior, models of purchase decision-making, internal and external factors influencing decisions, and the ability to analyze consumers using marketing strategies related to product, pricing, promotion, and distribution.

Expected Learning Outcomes:

1. Students have knowledge about the consumer behavior that will be targeted.
2. Know how the purchasing decision model is carried out and the internal and external factors that influence decision making.
3. Be able to analyze consumers using product marketing strategies, prices, promotions and distribution.

Course Title : **Retail and Supply Chain Management**

Course Code : SAB1624543

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides students with a comprehensive understanding of the processes involved in managing the flow of goods, information, and finances across the supply chain. Topics include procurement, production, inventory management, logistics, and distribution. Students will also explore strategies for optimizing supply chain efficiency, reducing costs, and improving customer satisfaction while maintaining sustainability.

Expected Learning Outcomes:

1. Students are able to understand the concept of retail management and create marketing mixes.
2. Students are able to design and develop retail business management methods and create technology applications in retail businesses.
3. Students have sufficient knowledge of SCM and its components, and have the ability to analyze SCM components in relation to the use of information technology to support its implementation.
4. After completing this course, students are expected to understand the concept of supply chain management (SCM), the role of SCM in winning supply chain competition, the importance of collaboration in the supply chain, the use of technology and SCM applications in an industry.

Course Title : **Management Information System**

Course Code : SAB1624527

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course is a course essential for managing managerial processes, including planning, organizing, actuating, and controlling various resources and processes within an organization (or company) in a more systematic manner through computer-based information systems. Computer-based information systems for managerial purposes represent one of the technological advancements aimed at enhancing an organization's competitiveness in various aspects in this era of information technology.

Expected Learning Outcomes:

1. Understand the basics of information technology, computer technology and its development today.
2. Understand the systematics of managerial processes in a company.
Understand the implementation of computer-based information systems in an organization.
3. Understand the functional information system of an organization.
Design the architecture of a company's management information system.

Course Title : **Religion and Politics**

Course Code : SIP1624548

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

The Religion and Politics course examines the intricate relationship between religion and political systems, exploring how religious beliefs and institutions influence political ideologies, policies, and behavior. It investigates both historical and contemporary intersections of religion and politics, including the role of religion in shaping national identity, political authority, human rights, social movements, and conflict. The course also delves into the ways in which political systems respond to religious diversity and manage the separation or integration of religion and state. By analyzing different case studies from various regions, students will gain insight into the ways religion impacts global political dynamics and vice versa.

Expected Learning Outcomes:

1. The learning objectives of this course are to introduce students to the theory of the relationship between religion and politics and existing empirical research on the subject.
2. Second, to examine the results of recent research on the role of religious actors, religious institutions and ideologies in policymaking, strengthening and weakening of the nation state, regime change, violence and conflict, war and other political processes that are currently hot issues.

Course Title : **Political Economy**

Course Code : SIP1624639

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

Expected Learning Outcomes:

1. The learning objectives of this course are to introduce students to the theory of the relationship between religion and politics and existing empirical research on the subject.
2. Second, to examine the results of recent research on the role of religious actors, religious institutions and ideologies in policymaking, strengthening and weakening of the nation state, regime change, violence and conflict, war and other political processes that are currently hot issues.

Course Title : **Political Economy**

Course Code : SIP1624639

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description   :

A Political Economy course explores the interrelationship between politics and economics, examining how political institutions, ideologies, and systems influence economic policies and outcomes, and how economic forces impact political decisions and structures. The course combines elements of economics, political science, and sociology, helping students understand the complex dynamics of national and global economies within political frameworks.

This course provides an in-depth analysis of the ways in which political and economic systems shape one another. Students will study both classical and contemporary political economy theories, exploring how governments create and implement economic policies, the role of international trade and global markets, and the social and economic impacts of political decisions. The course will cover topics such as market regulation, public goods, income distribution, economic development, and the political forces behind economic crises.
By examining real-world case studies, historical examples, and contemporary debates, students will learn to critically assess how political decisions affect economic structures and vice versa, with a particular focus on the role of state intervention, market forces, and the global economy.

Expected Learning Outcomes:

Students can have basic knowledge about the political economy of development policies in Indonesia.

Course Title : **Political Theory of Government**

Course Code : SIP1624309

Credits : **4.8 ECTS**　　　　　Type of Course: Mandatory

Course Description :

A Political Theory of Government course explores the fundamental concepts, principles, and ideologies that underpin the structure and functioning of political systems. The course delves into the history and evolution of political thought, examining key political philosophers and their contributions to ideas about governance, authority, justice, rights, and the state. It provides students with the theoretical tools to analyze and critically evaluate different systems of government, as well as the philosophical debates that have shaped modern political landscapes.

This course provides an in-depth exploration of political theory, focusing on the core ideas and debates that have influenced the development of political systems and institutions. Students will examine the writings of major political thinkers, from ancient philosophers like Plato and Aristotle to modern theorists like Hobbes, Locke, Rousseau, Marx, and Rawls. The course will also explore key political concepts such as sovereignty, democracy, liberty, equality, justice, and the social contract.

The goal is to equip students with the intellectual foundations to critically assess the theoretical underpinnings of contemporary political systems and the challenges governments face in ensuring justice, equality, and the rule of law.

Expected Learning Outcomes:

1. Through this lecture, it is expected that students will learn that political theories that are known and popular today have long roots in history. In addition, through this lecture.

2. students are also expected to learn that crucial political and governmental issues today have been of concern and study for a long time. Regarding the theory and role of the state, for example, which is still a discourse until now, it was already a study in Ancient Greece, which at that time later gave rise to the theory of the social contract. Likewise with other theories, for example about power, democracy, and so on. Although this course is entitled "Political Theory", the teaching and learning activities are designed with the spirit of honing students' skills to use the theory to analyze existing political phenomena and realities.

3. Therefore, this course, in addition to focusing on the description and substance of a theory, also invites students to use the theory as a lens or framework for analyzing political reality. The lecture is carried out with a case analysis system, presentations and discussions

Course Title : **Governance**

Course Code : SIP1624311

Credits : **4.8 ECTS**　　　　Type of Course:　Mandatory

Course Description :

A Governance course typically covers the structures, processes, and principles by which organizations, governments, or societies are directed and controlled. The focus of the course can vary depending on the field (corporate governance, public governance, or global governance)

Expected Learning Outcomes:

After completing this course, participants are expected to be able to apply various theories and contexts of governance in realizing Good Governance.

Course Title : **Urban Politics**

Course Code : SIP1624532

Credits : **4.8 ECTS**　　　　Type of Course:　Elective

Course Description :

The Urban Politics course explores the dynamics of politics at the urban level, focusing on how cities function as political entities. It examines the political structures, processes, and issues that shape urban life, as well as the relationship between local governments, citizens, and other actors in urban areas. The course highlights the role of urban politics in addressing pressing issues such as housing, inequality, urban development, public transportation, environmental sustainability, and social justice. Students will gain a deep understanding of how political decisions are made in cities and how urban political systems interact with broader national and global forces.

Expected Learning Outcomes:

After taking this course, at the end of the course, students will gain knowledge and understanding about cities with their various dynamics, including political actors involved in urban politics.

Course Title : **Government Communication**

Course Code : SIP1624310

Credits : **4.8 ECTS** Type of Course: Mandatory

Course Description :

A Government Communication course focuses on the strategies, practices, and challenges involved in conveying information from government institutions to the public. It explores how government agencies and officials use communication to inform, engage, and influence citizens, while maintaining transparency, accountability, and public trust. The course delves into various forms of communication, including media relations, digital platforms, public relations, crisis communication, and political messaging, all within the context of governance. This course provides a comprehensive understanding of government communication, emphasizing its role in the relationship between the state and the public. Students will explore the theoretical foundations of political communication, the practical tools used by governments to disseminate information, and the challenges of managing public perception. The course will also cover the ethical dimensions of government communication, as well as the impact of digital media, social networks, and global communication trends on political messaging and public engagement.

Expected Learning Outcomes:

Students are expected to explore the role of communication in a person's life as a citizen and the role of communication for the government. This course will provide a basis for students to analyze communication containing political messages from the government, political parties, IG, society and the media.

Course Title : **Policy Analysis Techniques**

Course Code : SIP1624533

Credits : **4.8 ECTS** Type of Course:

Course Description :

The Policy Analysis Techniques course is designed to equip students with the tools and methodologies needed to critically assess and evaluate public policies. The course provides an in-depth understanding of how policy analysis is conducted, with a focus on both qualitative and quantitative techniques. Students will learn how to apply these techniques to real-world policy problems, assess the effectiveness of existing policies, and propose evidence-based solutions. The course emphasizes the importance of rigorous data analysis, stakeholder engagement, and the consideration of political, social, and economic factors in the policy-making process.

Expected Learning Outcomes:

Students are expected to be able to understand how the political process occurs, be able to explain why politics occurs like that (and not like others) and finally, students are expected to be able to understand the "pattern" or model of politics and the political process.

Faculty of Social and Political Sciences
International Relations

Course Title : **War Crimes**

Course Code : SHI1624530

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course discusses one form of international crime, namely war crimes. War Crimes is a discipline that studies how wars occur and International Humanitarian Law which is the basis for the implementation of war itself. This course also studies how to persecute war criminals and the reasons why countries or individuals violate International Humanitarian Law, including the political aspects and impacts of war crimes that occur.

Expected Learning Outcomes:

1. Able to respond to various forms of war crimes cases
2. Able to understand the development of basic concepts of war crimes
3. Able to understand the causes and consequences of war crimes
4. Able to disseminate scientific knowledge from research results and innovative projects related to war crimes with

Course Title : **Crimes Against Peace**

Course Code : SHI1624531

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

International Crimes Against Peace is a discipline that studies behaviors or actions that have the potential to damage peace in various ways. Peace itself is an essential aspect that is the main foundation for personal and state life.

Expected Learning Outcomes:

1. Able to appreciate and uphold the importance of peace values for humanity.
2. Able to appreciate cultural diversity and perspectives on peace that are diverse so as to be able to play a role as responsible citizens by bridging the diversity so as to contribute to maintaining order in society and the world.
3. Able to understand the concept of peace and crimes peace from various perspectives and follow the development of issues of crimes against peace that occur in various regions.
4. Able to analyze why crimes against peace occur and able to analyze solutions to these problems.
5. Able to solve problems that often hinder the judicial process for cases leading to crimes against peace and construct strong arguments in Indonesian and English related to solutions to these problems.

Course Title : **Transnational Crime in the Maritime Sector**

Course Code : SHI1624534

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The Transnational Crime in the Maritime Field course is aimed at providing theoretical and empirical knowledge regarding transnational crimes that occur or may occur in maritime areas and what approaches are effective in dealing with them.

Expected Learning Outcomes:

1. Able to understand the concepts of maritime and transnational crime in the field.
2. Able to analyze the dynamics and empirical issues in the study of transnational crime in the field.
3. Able to formulate relevant solutions related to handling transnational crime in the maritime field.
4. Able to actively participate in formulating policy proposals and/or campaigning to help combat transnational crime in the maritime field.

Course Title : **Transnational Crime in the Environmental Sector**

Course Code : SHI1624535

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course is intended to introduce students to the development of environmental crimes at the transnational level. Students will learn to identify, analyze, and examine the causes and consequences of transnational environmental crimes.

Expected Learning Outcomes:

1. Able to respond to various forms of transnational crimes in the environmental field
2. Able to understand the forms of transnational crimes in the environmental field
3. Able to analyze the causes and consequences of transnational and international crimes
4. Able to reproduce the use of information technology in analyzing international issues, especially issues of transnational crimes in the environmental field critically and factually

Course Title : **Transnational Financial Crime**

Course Code : SHI1624536

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Transnational Financial Crime is a compulsory course given to students so that they have basic knowledge to understand the phenomenon of financial crime in particular and economic crime in general that occurs due to globalization.

Expected Learning Outcomes:

1. Able to respond to various forms of international crime and transnational crime cases.
2. Able to understand the interaction between actors in the fields of economics, politics, defense and security, especially in international relations issues.
3. Able to understand the forms of international and transnational crime.

Course Title : **Cyber Crime**

Course Code : SHI1624537

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The purpose of this course is to introduce students to the technical, social and legal aspects of cybercrime and to expose students to theories and tools that enable the scientific exploration of this phenomenon. The course material will review the cybercrime regime, the history of cybercrime, the concept of internet jurisdiction, typology of crimes committed in cyberspace, strategic issues in cyberspace, cyber investigation, cyber forensics, and cyber resilience.

Expected Learning Outcomes:

1. Able to analyze the regime and typology of cybercrime and the contribution of cybercrime to transnational crime.
2. Able to articulate critical arguments regarding the role of both the private sector and law enforcement in investigating, prosecuting and preventing cybercrime.
3. Able to assess problems related to cybercrime and find solutions to a cybercrime case.

Communication Sciences

Course Title : **Self Identity and Interpersonal Relations**

Course Code : SIK1624301

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description   :

This course focuses on self-identity and personal identity in social contexts, exploring theories such as social identity, symbolic interactionism, and dramaturgy. It covers the development, maintenance, and dissolution of interpersonal relationships, addressing topics like emotional dynamics, relational conflict, self-disclosure, attachment, and strategies for growth and reconciliation.

Expected Learning Outcomes:

1. Able to explain, apply, and analyze concepts and theories in Communication Science and the field of communication
2. . Able to apply and practice logical, critical, systematic, analytical, and innovative thinking in designing strategic communication works, media content, and communication research.
3. Able to identify, collect, process, and use information to plan, produce, and distribute messages for various purposes.

Course Title : **Media Communication and Audience Analysis**

Course Code : SIK1624303

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description   :

This course enhances students' learning about media communication and audience dynamics, exploring the characteristics of print, electronic, and digital media along with their transformations in the digital age. It incorporates theories of mass communication, audience behavior, and media effects, providing understanding into the media industry's business models and audience engagement strategies.

Expected Learning Outcomes:

1. Able to explain, apply, and analyze concepts and theories in Communication Science and the field of communication
2. Able to identify, collect, process, and use information to plan, produce, and distribute messages for various purposes.
3. Able to distinguish the characteristics of media and determine the appropriate media to achieve objectives

Course Title : **Communication Technology and Digital Society**

Course Code : SIK1624501

Credits : **4.8 ECTS**　　　　　　Type of Course: Mandatory

Course Description :

This course enhances students' understanding of fundamental concepts and theories related to communication technologies and their societal impact, including digital platforms, platformization, and big data. Students will critically examine the ethical implications and challenges posed by emerging media trends while developing strategies for effectively navigating the complexities of the digital society.

Expected Learning Outcomes:

1. Students will be able to explain, apply, and analyze concepts and theories in the study of technology and society.
2. They will also be able to apply and practice logical, critical, systematic, analytical, and innovative thinking in analyzing the role of technology in society. Upon completion of this course, students will be able to identify problems of the impact of technology in people's lives, and be able to design solutions to overcome problems in aspects of communication technology based on scientific rules, procedures, and ethics.
3. In addition, students will also be able to identify and use relevant information to analyze technological trends and their impacts.

Course Title : **Podcast Production**

Course Code : SIK1624504

Credits : **4.8 ECTS**　　　　　　Type of Course: Mandatory

Course Description :

This course guides students in creating engaging podcasts by covering key aspects such as concept planning, audience targeting, and scriptwriting, followed by recording and editing their content. Additionally, students will practice digital storytelling and refine their skills through constructive feedback on their final podcast projects.

Expected Learning Outcomes:

1. Able to analyze, evaluate, and create media content designs in a journalistic context
2. Able to analyze, evaluate, and create media content designs in non-journalistic contexts (creative content)
3. Able to demonstrate and design collaborative work results in the field of strategic communication and media communication
4. Able to formulate plans for media management activities, journalism, and creative content in the multimedia ecosystem
5. Able to manage media management, journalism and creative content activities in the multimedia ecosystem.

Communication Sciences

Course Title : **Content Production Strategy**

Course Code : SIK1624506

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This course will equip students with future work skills by building a creative, productive, and persuasive spirit. Students will learn to see opportunities in new ways, design inspiring strategies, and work effectively with teamwork structures in the modern workplace. The course begins by discussing the concepts of creativity and persuasive messages, message strategies, arguments, and techniques such as message control and brand storytelling. The course also covers various forms of messages in media such as video, audio, and digital that apply types of advertising appeals such as fear, humor, sex, music, rational, and emotional.

Expected Learning Outcomes:

1. Students will be able to analyze, evaluate, and create strategy design in commercial content production.
2. They will also be able to analyze, evaluate, and create strategy design in social context content production. In addition, students will also be able to analyze, evaluate, and create strategy design in political context content production.
3. Finally, students will be able to demonstrate the results of independent content production in the fields of strategic communication and media communication, and be able to formulate strategic communication content production designs in the fields of marketing communication and corporate communication.

Course Title : **Political Communication and Marketing**

Course Code : SIK1624512

Credits : **4.8 ECTS**　　　　Type of Course: Elective

Course Description :

The Political Communication and Marketing course discusses the theory and practice of political marketing strategies. This course begins with an exploration of political marketing concepts and theories, political marketing models, political marketing strategies and marketing mix, as well as an understanding of segmentation, targeting, and positioning in the political context, political media, political image, and human management capital. Students are also guided to design, conduct, and analyze political marketing research, which serves as the foundation for creating political client marketing strategies. Additionally, students will evaluate the proposed political client marketing strategy designs.

Expected Learning Outcomes:

1. Upon completing this course, students will be able to identify, gather, process, and utilize information to plan, produce, and distribute political messages effectively.
2. They will develop the ability to differentiate media characteristics and select the most suitable media channels to achieve political objectives.
3. Moreover, students will be adept at identifying and employing relevant information to manage political campaigns strategically.
4. They will also acquire the analytical skills needed to evaluate and create strategic communication designs within political contexts.
5. Additionally, students will demonstrate their ability to collaboratively design and present innovative works in political marketing, showcasing their understanding of teamwork and creative application in this field.

Communication Sciences

Course Title : **Consumer Behavior and Culture**

Course Code : SIK1624508

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description   :

This course enhances students' competencies in formulating insights into consumer behavior and consumer culture. The course materials cover fundamental concepts of consumer behavior and culture, as well as how internal and external factors influence consumption decision-making processes. Internal factors include perception, memory, personality, attitude, and motivation, while external factors encompass demographics, economic status, family, peer groups, and persuasive messages. The course also explores various aspects of consumption, such as children's consumption, green consumption, and consumer identity within social contexts. Additionally, students will identify, analyze, and evaluate consumer culture concepts and their applications in areas such as children consumption, identity projects and social distinction, leisure consumption, rational and risk consumption, digital consumption, green consumers, and ethical consumption.

Expected Learning Outcomes:

1. Upon completion of this course, students will have demonstrated the ability to identify and formulate insights into consumer behavior and culture with tolerance and sensitivity toward diversity.
2. They will be proficient in analyzing markets and deriving consumer insights from both individuals and groups to address the needs of strategic communication programs in commercial, social, and political domains.
3. Furthermore, students will be equipped to identify, gather, analyze, and apply relevant information to produce consumer insights, enabling them to manage strategic communication activities effectively.

Faculty of Economics and Business
Accounting

Course Title : **Internal Audit**

Course Code : PEAK6017

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course discusses the common body of knowledge (CBOK) for all management / internal auditing. Since many variations concepts and practices, then this course discusses CBOK, i.e. key instruments (tools) and areas of knowledge that should be possessed by internal auditors. This course also examines auditing management system guidelines; international standard (ISO) 19011.

Expected Learning Outcomes:

Upon completion of this course students should be able to: 1. Explain scope of management audit and its common of body knowledge. 2. Review and evaluate various activities dealing with management functions for satisfying of governance and compliance. 3.Describe risks and their impact on internal control design. 4. Describe effective internal audit process Identify management issues and propose solution for organization/company.

Course Title : **Enterprise Resource Planning (ERP)**

Course Code : PEAK6024

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provide student with basic knowledge and application main moduls of ERP.

Expected Learning Outcomes:

After completing this course, students are be able to use the information generated by ERP to run and solve problems in business operations. And able to do the distribution of tasks and teamwork in running and solving business problems. Simulation of business operations and problems is facilitated with software and services from Monsoon SIM so as to provide a pseudo-experience of using ERP in business practices. Done in 5 sessions using Quiz facility in Monsoon SIM.

Course Title : **Basic tax Planinning**

Course Code : LEAK6027

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course provides an understanding of tax planning for taxpayers in in Indonesia tax regulation context, especially Income Tax, Value Added Tax and Sales Tax on Luxury Goods, and other taxes by analyzing various alternative tax treatment. By doing so, the implementation of tax obligations will be efficient and effective resulting in company savings without breaching the applicable tax laws and regulations.

Expected Learning Outcomes:

After completing this course, students should be able to : 1. Describe various tax regulation and its implementation. 2.Analyze various alternative tax treatment of economic transaction and propose optimum tax policy for an organization. 3Describe the role of accounting in tax planning and tax reporting.

Course Title : **Tourism Economics**

Course Code : LESP6503

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

This course explores the economic impact of tourism on local, regional, and global economies. Topics include demand and supply in tourism, economic contributions of the tourism sector, sustainable tourism development, and the role of public policies in managing tourism activities.

Expected Learning Outcomes:

By the end of this course, students will understand the economic dynamics of the tourism industry, including its demand and supply patterns, and its contributions to economic development. They will be able to analyze the challenges and opportunities of sustainable tourism and evaluate the role of government policies in enhancing the tourism sector's economic impact.

Course Title : **Central Bank**

Course Code : LESP6515

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

Kebanksentralan course is a part of monetary economics that focuses on the concepts and operations of the Central Bank. By this course, students are expected to be able to understand: (1) theoretical concepts about central financial institutions and their practice in various countries, (2) Central Bank operations practices in Indonesia. Therefore, this study will let students use the framework of monetary economics to examine the performance of the Central Bank in balancing the monetary sector, so that students have ability in analyzing problems, processes and causes and consequences of monetary policy issued by the Central Bank. In order to achieve these competencies, this Kebanksentralan course includes discussions on
Financial Institutions and Central Financial Institutions, Central Banks, Independence of Central Banks, Payment Systems, Monetary Policy, and Capita Selecta.

Expected Learning Outcomes:

By the end of this course, students will understand the role of central banks in maintaining monetary and financial stability. They will analyze key monetary policies, evaluate the effectiveness of central bank tools in controlling inflation and promoting economic growth, and explore the relationship between central banks and global financial markets.

Course Title : **Islamic Micro Economics**

Course Code : EIS1624313

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course discusses fundamental topics in Islamic economics, such as the background and necessity of Islamic economics, the objectives of economics: the concepts of *Maqashid* and *Falah*, the concepts of scarcity and needs, rationality, as well as the integration of ethics and morality in the economy. It also covers mainstream microeconomic topics from an Islamic perspective, including consumer behavior theory, producer behavior theory and production costs, market mechanisms, and market structures. The analysis and discussions in this course will largely adopt a comparative approach with conventional perspectives. The course aims to provide students with an understanding of Islamic microeconomic theories, policies, and instruments.

Expected Learning Outcomes:

Able to explain fundamental economic problems and objectives, able to analyze the assumption of rationality as the basis of human behavior models from both conventional and Islamic economic perspectives, able to explain theories of consumption and production, demand and supply, cost theory, distribution theory, as well as market mechanisms based on Islamic principles.

Able to analyze (C4) various types of market imperfections from ethical and Islamic perspectives, and explain the role of government in addressing them through public policies (CPL1, CPL2, CPL6, CPL7).

Course Title : **Islamic Macro Economicss**

Course Code : EIS1624314

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The Islamic Macroeconomics course aims to equip students with the knowledge and skills to analyze economic issues related to macroeconomic policies and strategies within the framework of Sharia, which can be beneficial for both academics and practitioners.

This course covers the basic concept of money in Islamic macroeconomics, inflation from an Islamic perspective, Islamic monetary and fiscal policies, general equilibrium theory, and related topics.

Expected Learning Outcomes:

Able to understand the basic concepts of Islamic macroeconomics and conventional macroeconomics.

Able to explain inflation, exchange rates, fiscal and monetary policies from an Islamic perspective.

Able to identify and evaluate economic problems based on the fundamental concepts of Islamic macroeconomics.

Course Title : **Management of Islamic Financial Institutions**

Course Code : EIS1624531

Credits : **4.8 ECTS**　　　　Type of Course:　Mandatory

Course Description :

This course discusses and analyzes basic knowledge, meaning and function of Islamic financial institutions (LKS), theories and policies of Islamic finance and the influence of policies on bank and non-bank financial institutions.

Expected Learning Outcomes:

After taking this course, students are expected to be able to understand :
Basic principles and concepts of Banks and Other Islamic Financial Institutions
Distribution according to sharia (Profit Sharing)
System/procedure, mechanism and history of bank and non-bank Islamic financial institutions

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Course Title : **Islamic Financial Technology**

Course Code : EIS1624740

Credits : **4.8 ECTS**　　　　Type of Course:　Mandatory

Course Description :

The Islamic Financial Technology (Islamic FinTech) course explores the integration of Sharia-compliant finance with modern digital innovations such as blockchain, crowdfunding, peer-to-peer lending, and digital banking. It introduces students to the principles of Islamic finance, key prohibitions (riba, gharar, maysir), and the design of ethical financial solutions within regulatory frameworks. The course emphasizes financial inclusion, sustainable development, and practical case studies, equipping students with the knowledge and skills to analyze and develop innovative Islamic FinTech products and services for the digital economy.

Expected Learning Outcomes:

Students are expected to understand the core concepts of Islamic finance and their application in digital financial innovations, analyze opportunities, challenges, and regulatory aspects of Islamic FinTech, evaluate Sharia compliance in various financial technologies, and apply Islamic principles to design innovative, ethical, and inclusive digital financial products and services.

Course Title : **Waqf Economy**

Course Code : EIS1624741

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

The Waqf Economy course explores the concept, principles, and practices of waqf (Islamic endowment) as a vital instrument for social welfare and economic development. It examines the historical foundations, Sharia basis, and contemporary applications of waqf in education, health, infrastructure, and poverty alleviation, along with innovations such as cash waqf and waqf-linked sukuk. The course equips students with both theoretical understanding and practical insights into managing and developing waqf as a sustainable tool for wealth distribution, community empowerment, and inclusive economic growth.

Expected Learning Outcomes:

Students are expected to understand the fundamental concepts, principles, and legal foundations of waqf, analyze its historical role and contemporary applications in social and economic development, evaluate the effectiveness of waqf-based instruments such as cash waqf and waqf-linked sukuk, and apply Islamic economic principles to design and manage innovative waqf models that promote social welfare, equitable wealth distribution, and sustainable community empowerment.

Course Title : **Economics of Political Islam**

Course Code : EIS1624742

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course explores the intersection of Islamic principles, political structures, and economic systems within the framework of Political Islam. It examines how Islamic teachings influence economic thought, public policy, governance, and development strategies in Muslim-majority societies. Topics include Islamic economic philosophy, wealth distribution, zakat and waqf institutions, fiscal and monetary policies, as well as the role of political movements in shaping economic agendas. Comparative perspectives with conventional political economy are also discussed to highlight similarities, differences, and contemporary challenges.

Expected Learning Outcomes:

Students will be able to analyze the theoretical foundations of Islamic economic thought within political contexts, evaluate the influence of Islamic governance on economic policies, and critically assess case studies of Muslim-majority countries implementing Islamic-oriented economic frameworks. Students will also be equipped to compare Islamic perspectives with conventional political economy, identify challenges in harmonizing Sharia principles with modern state systems, and propose informed recommendations for sustainable development policies rooted in Political Islam.

Faculty of Economics and Business
Islamic Economics

Course Title : **Global Halal Industry**

Course Code : EIS1624744

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description   :

This course examines the development, dynamics, and challenges of the global halal industry as a fast-growing sector in the world economy. It explores the concept of halal beyond food, covering areas such as finance, pharmaceuticals, cosmetics, tourism, and lifestyle products. Students will analyze the role of standards, certification, and regulations in different countries, as well as the global supply chain, consumer behavior, and emerging market opportunities. The course also emphasizes the intersection of religion, economics, and global trade, preparing students to understand the halal industry from both business and ethical perspectives.

Expected Learning Outcomes:

Students will be able to explain the principles and scope of the halal industry in a global context. They will acquire the ability to evaluate certification systems, regulatory frameworks, and market trends across different sectors. Students will also develop analytical skills to assess opportunities and challenges within the halal economy, and propose strategies for businesses to compete effectively while maintaining Sharia compliance. Additionally, they will gain awareness of the social, cultural, and ethical dimensions that shape consumer demand in the global halal market.

Course Title : **Islamic Economic Development**

Course Code : EIS1624529

Credits : **4.8 ECTS**   Type of Course: Mandatory Elective

Course Description   :

This course equips students to study Islamic economics especially on the principles and systems of economic development .

Expected Learning Outcomes:

Students expected to be able to explain the concept of Islamic development, and identify sharia principles with regard to Islamic development.

Islamic Economics

Course Title : **Islamic Public Economics**

Course Code : EIS1624528

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The Islamic Public Economics course teaches the fundamental principles and applications of public finance based on Islamic values, ranging from the history of Islamic finance to contemporary concepts such as zakat, waqf, and fiscal policy from a Sharia perspective. Students will learn about the role of government in managing state revenue and expenditure, as well as evaluate financial policies in line with the principles of justice and social welfare in Islam.

Expected Learning Outcomes:

Students are able to understand and explain the definition, fundamental principles, and key differences between Islamic public finance and the conventional financial system. This understanding includes fundamental concepts such as sources of state revenue, the role of zakat, and the principles of Islamic economics in the context of public finance.

Students are able to analyze the role and function of government in Islamic public economics, including the implementation of the *Baitul Maal* concept, fiscal policy, and the management of public goods. This analysis includes evaluating the history of public finance policies during significant periods such as the time of the Prophet Muhammad (PBUH), the Khulafa al-Rashidun, and the Umayyad and Abbasid dynasties.

Students are able to evaluate fiscal policies and debt management from the perspective of Islamic economics. This evaluation involves assessing the impact of debt on the economy, as well as analyzing how zakat, waqf, and other Sharia-based instruments can be utilized as alternatives for state financing and public expenditure management.

Course Title : **Ecommerce**

Course Code : PEBD6024

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides a comprehensive understanding of electronic commerce (e-commerce) as a key component of modern business operations. Students will explore the strategies, technologies, and business models that underpin online buying and selling, digital marketing, and customer relationship management in the digital marketplace. The course emphasizes both theoretical frameworks and practical applications, preparing students to analyze, design, and manage e-commerce platforms effectively.

Expected Learning Outcomes:

Define e-commerce and differentiate it from traditional commerce, Identify and analyze various types of e-commerce business models (B2B, B2C, C2C, C2B, and hybrid models), Understand the technological infrastructure supporting e-commerce, including web technologies, payment systems, mobile commerce, and cybersecurity, Evaluate e-commerce strategies for online sales, digital marketing, customer acquisition, and retention, Analyse the legal, ethical, and regulatory considerations in e-commerce, including data privacy and consumer protection, Design and propose an e-commerce business plan, incorporating digital tools, analytics, and customer experience optimization.

Course Title : **Customer Relationship Management**

Course Code : PEBD6024

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides an in-depth understanding of Customer Relationship Management (CRM) as a strategic approach for building and maintaining profitable customer relationships. Stu... re, reta... pra... and... Em... enc...

Expected Learning Outcomes:

Define e-commerce and differentiate it from traditional commerce, Identify and analyze various types of e-commerce business models (B2B, B2C, C2C, C2B, and hybrid models), Understand the technological infrastructure supporting e-commerce, including web technologies, payment systems, mobile commerce, and cybersecurity, Evaluate e-commerce strategies for online sales, digital marketing, customer acquisition, and retention, Analyse the legal, ethical, and regulatory considerations in e-commerce, including data privacy and consumer protection, Design and propose an e-commerce business plan, incorporating digital tools, analytics, and customer experience optimization.

Course Title : **Customer Relationship Management**

Course Code : PEBD6025

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides an in-depth understanding of Customer Relationship Management (CRM) as a strategic approach for building and maintaining profitable customer relationships. Students will explore the principles, strategies, and tools that enable organizations to acquire, retain, and enhance customer value. The course integrates theoretical frameworks with practical applications, covering CRM processes, technologies, data management, analytics, and digital platforms that support personalized and effective customer interactions. Emphasis is placed on understanding customer behavior, loyalty, satisfaction, and engagement in both traditional and digital business contexts.

Expected Learning Outcomes:

Define e-commerce and differentiate it from traditional commerce, Identify and analyze various types of e-commerce business models (B2B, B2C, C2C, C2B, and hybrid models), Understand the technological infrastructure supporting e-commerce, including web technologies, payment systems, mobile commerce, and cybersecurity, Evaluate e-commerce strategies for online sales, digital marketing, customer acquisition, and retention, Analyse the legal, ethical, and regulatory considerations in e-commerce, including data privacy and consumer protection, Design and propose an e-commerce business plan, incorporating digital tools, analytics, and customer experience optimization.

Faculty of Economics and Business
Digital Business

Course Title : **Artificial Intelligence**

Course Code : PEBD6026

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This lecture provides a comprehensive introduction to Artificial Intelligence (AI) and its applications in modern business, technology, and society. Students will explore the foundational concepts, techniques, and algorithms that enable machines to perform tasks that typically require human intelligence, such as problem-solving, learning, reasoning, perception, and natural language processing. The course emphasizes both theoretical understanding and practical implementation, covering AI methodologies including machine learning, deep learning, expert systems, robotics, and AI-driven decision-making. Students will also examine the ethical, social, and economic implications of AI deployment.

Expected Learning Outcomes:

By the end of this course, students will be able to define AI, understand its history and evolution, and differentiate between various AI techniques and approaches. They will gain skills to design, implement, and evaluate AI-based solutions for real-world problems, using appropriate algorithms and tools. Additionally, students will be able to assess the opportunities and challenges of AI adoption in business and society, including ethical, legal, and societal considerations. Practical exercises, case studies, and projects will equip students to apply AI for innovation, automation, and data-driven decision-making.

Digital Business

Course Title : **Cloud System**

Course Code : PEBD6027

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides a comprehensive understanding of cloud systems, also known as cloud computing, and their transformative impact on business, technology, and IT infrastructure. Students will explore the concepts, architectures, and deployment models of cloud computing, including public, private, hybrid, and multi-cloud environments. The course covers essential cloud services—Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS)—as well as cloud storage, virtualization, scalability, and security. Emphasis is placed on both theoretical foundations and practical applications, enabling students to design, manage, and optimize cloud-based solutions for organizations.

Expected Learning Outcomes:

By the end of this course, students will be able to define cloud computing, explain its architecture and service models, and differentiate between deployment strategies. They will gain practical skills in implementing and managing cloud resources, ensuring data security, scalability, and performance optimization. Students will also learn to evaluate the benefits, challenges, and emerging trends of cloud adoption, including cost management, reliability, and regulatory compliance. Through hands-on exercises, case studies, and projects, students will be equipped to leverage cloud systems to support business innovation, digital transformation, and IT strategy.

Course Title : **Risk Management**

Course Code : PEBD6028

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides a comprehensive understanding of risk management as a critical discipline in business, finance, and organizational strategy. Students will explore the principles, frameworks, and processes used to identify, assess, mitigate, and monitor risks across various organizational contexts. The course covers strategic, operational, financial, and project-related risks, emphasizing both qualitative and quantitative approaches. Students will examine tools and techniques for risk analysis, decision-making under uncertainty, and risk mitigation, including risk transfer, avoidance, reduction, and acceptance. Real-world case studies and practical applications will illustrate how effective risk management contributes to organizational resilience, sustainability, and competitive advantage.

Expected Learning Outcomes:

By the end of this course, students will be able to define risk management and its role in strategic and operational decision-making. They will develop skills to identify and assess different types of risks, apply risk analysis and evaluation techniques, and design risk mitigation strategies. Students will also learn to use risk management frameworks, tools, and software to monitor and control risks effectively. The course equips students to evaluate organizational risk exposure, enhance decision-making under uncertainty, and ensure compliance with regulatory, legal, and ethical standards, preparing them to manage risks in dynamic business environments.

Course Title : **Enterprise Resource Planning**

Course Code : PEBD6029

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides a comprehensive understanding of Enterprise Resource Planning (ERP) systems and their role in integrating and optimizing organizational processes. Students will explore how ERP systems unify core business functions—such as finance, human resources, supply chain, production, and customer relationship management—into a centralized platform to improve efficiency, data accuracy, and decision-making. The course emphasizes both theoretical frameworks and practical applications, including ERP architecture, implementation strategies, customization, and change management. Case studies of real-world ERP implementations illustrate the benefits, challenges, and best practices of deploying ERP systems in organizations.

Expected Learning Outcomes:

By the end of this course, students will be able to define ERP and explain its role in supporting organizational strategy and operations. They will gain skills to analyze business processes, evaluate ERP solutions, and participate in ERP implementation and management. Students will also learn to address challenges in ERP deployment, such as system integration, user adoption, data migration, and process standardization. Practical exercises and case studies will equip students to leverage ERP systems for operational efficiency, informed decision-making, and achieving competitive advantage in dynamic business environments.

Faculty of Economics and Business
Digital Business

Course Title : **Digital Startup Business Lab**

Course Code : Practice-PEBD6031

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides a hands-on, experiential learning environment for students to explore, design, and develop digital start-up ventures. Students will engage with the entire start-up process, from idea generation and market validation to business model development, digital product creation, and go-to-market strategies. The course emphasizes practical applications of entrepreneurship principles, lean start-up methodology, and digital business tools, enabling students to transform innovative ideas into viable digital business solutions. Collaboration, creativity, and iterative problem-solving are central to the learning experience, preparing students for the dynamic and competitive digital economy.

Expected Learning Outcomes:

By the end of this course, students will be able to identify and evaluate digital business opportunities, develop innovative business models, and design minimum viable products (MVPs) using digital tools and technologies. They will gain practical skills in market research, customer validation, financial planning, and pitching start-up ideas to potential stakeholders. Students will also learn to navigate challenges in digital entrepreneurship, including technology adoption, scalability, legal considerations, and market competition. Through project-based learning and lab activities, students will be equipped to launch and manage digital start-ups, fostering innovation, creativity, and entrepreneurial mindset in real-world business environments.

Course Title : **Digital Marketing Lab**

Course Code : Practice-PEBD6032

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This lecture provides a practical, hands-on learning environment for students to develop and execute digital marketing strategies across various online platforms. Students will explore the full spectrum of digital marketing tools and techniques, including search engine optimization (SEO), search engine marketing (SEM), social media marketing, email marketing, content marketing, influencer marketing, and web analytics. The course emphasizes experiential learning through real-world projects, campaigns, and simulations, allowing students to apply theoretical knowledge to optimize customer engagement, brand visibility, and marketing ROI in the digital landscape.

Expected Learning Outcomes:

By the end of this course, students will be able to design, implement, and evaluate comprehensive digital marketing campaigns using modern tools and platforms. They will gain practical skills in audience targeting, content creation, campaign analytics, and performance measurement. Students will also learn to analyze digital consumer behavior, optimize marketing channels, and adapt strategies to emerging trends and technologies. Through lab exercises, project-based learning, and case studies, students will be equipped to develop data-driven marketing strategies, enhance brand presence, and achieve measurable business outcomes in the digital economy.

Faculty of Economics and Business
Digital Business

Course Title : **Fintech Lab**

Course Code : Practice-PEBD6033

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides a hands-on, practical learning environment for students to explore and experiment with financial technologies (Fintech) and their applications in modern financial services. Students will examine innovations such as digital payments, blockchain, cryptocurrencies, peer-to-peer lending, robo-advisors, InsurTech, and RegTech, gaining insight into how technology transforms banking, investment, insurance, and financial operations. The course emphasizes applied learning, combining theoretical knowledge with practical projects, case studies, and simulations to develop skills in designing, testing, and implementing fintech solutions in real-world contexts.

Expected Learning Outcomes:

By the end of this course, students will be able to identify key trends and technologies in the Fintech ecosystem, evaluate their business and regulatory implications, and design digital financial solutions that meet customer needs. They will gain practical skills in developing fintech applications, analyzing digital financial data, and leveraging emerging technologies to improve financial services. Students will also learn to navigate challenges such as cybersecurity, compliance, and ethical considerations in fintech operations. Through lab exercises and project-based learning, students will be equipped to innovate and apply fintech solutions in dynamic financial and digital environments.

Course Title : **Data Science Lab**

Course Code : Practice-PEBD6034

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This lecture provides a hands-on, practical learning environment for students to explore, analyze, and interpret data using modern data science tools and techniques. Students will gain experience with data collection, cleaning, visualization, and statistical analysis, as well as advanced methods such as machine learning, predictive modeling, and data-driven decision-making. The course emphasizes experiential learning through real-world datasets, projects, and case studies, allowing students to apply theoretical concepts to solve complex business and research problems.

Expected Learning Outcomes:

By the end of this course, students will be able to collect, process, and analyze structured and unstructured data using programming languages such as Python or R and data analysis tools. They will develop practical skills in exploratory data analysis, data visualization, and machine learning model development. Students will also learn to interpret results, draw actionable insights, and communicate findings effectively for business, research, or policy-making purposes. Through lab exercises and project-based learning, students will be equipped to leverage data science methodologies to support evidence-based decision-making and innovation in various domains.

Course Title : **Programming Lab**

Course Code : Practice-PEBD6035

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This lecture provides a hands-on, practical learning environment for students to develop foundational and advanced programming skills essential for software development and problem-solving in computer science and digital business. Students will explore programming concepts, logic, and structures using modern programming languages such as Python, Java, or C++. The course emphasizes experiential learning, including coding exercises, debugging, algorithm design, and project-based applications, allowing students to translate theoretical concepts into functional software solutions.

Expected Learning Outcomes:

By the end of this course, students will be able to write, debug, and execute programs using structured and object-oriented programming paradigms. They will develop practical skills in algorithm design, data structures, control flow, and software problem-solving. Students will also learn to work collaboratively on coding projects, apply best practices in programming, and document their code effectively. Through lab exercises and project-based learning, students will be equipped to develop reliable, efficient, and maintainable software applications, preparing them for real-world programming challenges in academic, research, and professional contexts.

Management

Course Title : **International Business Seminar**

Course Code : EMJ21-560

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course provides a platform for students to engage in discussions and analyze current global business issues. The seminar emphasizes the role of globalization, innovation, and sustainability in shaping international business strategies. Participants will collaborate on case studies, attend expert-led sessions, and deliver presentations on emerging topics.

Expected Learning Outcomes:

By the end of this course, students will be able to analyze current trends and challenges in international business, evaluate the impact of globalization on business operations and strategies, and present research on emerging global business topics. They will develop critical thinking skills through discussing case studies and real-world scenarios, while also collaborating effectively in teams to solve complex business problems.

Course Title : **Intercultural Communication & Negotiation Skills**

Course Code : EMJ21-561

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This subject provides two core materials. The first material is a wide understanding about intercultural communication, including the foundation, the process, and the application of intercultural communication. The second material is a review and comprehensive practices of skills in negotiation.

Expected Learning Outcomes:

Students are expected to have a deep understanding about intercultural communication from the perspective of local Indonesia and the world community, and to conform intercultural communication with their negotiation skills.

Course Title : **Finance of International Business**

Course Code : EMJ21-562

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

This course explores the financial principles and strategies used by firms operating in global markets. Topics include foreign exchange risk, international financing options, cross-border investment decisions, and the role of international financial institutions.

Expected Learning Outcomes:

Upon completing this course, students will understand the principles of international financial management, including the analysis of foreign exchange risks and strategies for risk mitigation. They will be able to evaluate international investment opportunities, assess cross-border financial implications, and apply financial tools to address global business scenarios.

Course Title : **International Marketing**

Course Code : EMJ21-563

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

This course focuses on marketing strategies and practices in international markets. Students will learn about cultural differences, market segmentation, branding, global marketing mix strategies, and digital marketing in an international context.

Expected Learning Outcomes:

By the end of this course, students will have a comprehensive understanding of the cultural, social, and economic factors influencing international marketing. They will be able to develop effective global marketing strategies, design a marketing mix tailored to specific regions, and analyze market trends and consumer behavior. Additionally, students will apply digital marketing strategies to engage global audiences effectively.

Faculty of Economics and Business
Management

Course Title : **International HRM**

Course Code : EMJ21-564

Credits : **4.8 ECTS**　　　　Type of Course:　Elective

Course Description :

This course addresses HRM practices in a global context, including recruitment, training, performance management, and cultural adaptation. Students will learn to manage diversity and ensure compliance with international labor laws and standards.

Expected Learning Outcomes:

At the end of this course, students will be able to analyze the impact of cultural and institutional differences on HRM practices, develop strategies for global talent management, and effectively manage diversity and cross-cultural teams. They will also demonstrate an understanding of international labor laws, ethical considerations, and the strategic role of HRM in global organizational success.

Course Title : **Global Operation Management**

Course Code : EMJ21-565

Credits : **4.8 ECTS**　　　　Type of Course:　Elective

Course Description :

This course examines the strategies and practices used in managing operations in a global business environment. Topics include supply chain management, quality control, logistics, and sustainability in global operations.

Expected Learning Outcomes:

By completing this course, students will understand the principles of operations management in a global context, including the design of efficient and sustainable supply chains. They will be equipped to implement quality management systems, address logistical challenges in cross-border trade, and evaluate the impact of global trends and technological innovations on operations management.

Management

Course Title : **International Business in Asia Pacific**
Course Code : EMJ 21-566
Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :
This course explores the unique business environments, practices, and opportunities within the Asia Pacific region. Students will analyze cultural, economic, and political factors affecting international business in this dynamic region.

Expected Learning Outcomes:
By the end of this course, students will understand the cultural and economic diversity of the Asia Pacific region and analyze the impact of regional trade agreements on business operations. They will be able to develop strategies for entering and expanding in Asia Pacific markets, evaluate challenges and opportunities in emerging economies, and demonstrate knowledge of the region's significant role in global business trends.

Course Title : **International Business Law**
Course Code : EMJ21-567
Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :
This course will provide students with a basic understanding of the business law. Students will be extensively introduced with the basic of law, civil law/private law principles, business law/commercial law principles, and company law. This course will emphasize on a deep understanding of contract law, assets law, intellectual property law, incorporation, merger acquisition, bankruptcy law, capital market law, insurance law, negotiable instrument law.

Expected Learning Outcomes:
By the end of this course, students will understand the foundational principles of international business law, including the legal structures governing international trade and commerce. They will be able to analyze the role of international trade agreements and organizations, evaluate the legal implications of cross-border business transactions, and address intellectual property rights in a global context. Additionally, students will develop skills to resolve disputes through international arbitration and ensure compliance with regulatory frameworks.

Course Title : **Financial Statement Fraud**

Course Code : PEAK6017

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This course focuses on the detection, prevention, and investigation of fraudulent activities related to financial reporting. This course examines the methods used to manipulate financial statements, such as revenue recognition fraud, expense underreporting, and asset overvaluation, as well as the motivations behind such activities (e.g., pressure, opportunity, or rationalization). Students learn to apply forensic accounting techniques, including ratio analysis, Benford's Law, and data analytics, to identify red flags and irregularities in financial records. The curriculum covers legal and regulatory frameworks, such as the Sarbanes-Oxley Act, and the role of internal controls in fraud prevention. Through case studies of high-profile fraud cases (e.g., Enron, WorldCom), students develop skills in investigative reporting and expert testimony. This course prepares students for careers in forensic accounting, auditing, or compliance, and aligns with certifications like Certified Fraud Examiner (CFE).

Expected Learning Outcomes:

Upon completion of this course students should be able to: 1. Explain scope of management audit and its common of body knowledge. 2. Review and evaluate various activities dealing with management functions for satisfying of governance and compliance. 3.Describe risks and their impact on internal control design. 4. Describe effective internal audit process Identify management issues and propose solution for organization/company.

Course Title : **Data Analytics For Business**

Course Code : PEAK6024

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Data Analytics for Business equips students with the skills to leverage data-driven insights for strategic decision-making in accounting and business contexts. The course focuses on applying analytical tools and techniques to extract, process, and interpret financial and operational data. Key topics include data visualization, predictive modeling, data mining, and the use of software tools such as Excel, Tableau, Power BI, or Python/R for analyzing large datasets. Students learn to identify trends, assess risks, and support business strategies through analytics, with applications in budgeting, forecasting, and performance evaluation. The course often includes hands-on projects, such as analyzing financial datasets or building dashboards, to prepare students for roles in business intelligence, financial analysis, or consulting. Emphasis is placed on translating complex data into actionable insights for stakeholders, aligning with the growing demand for data-savvy accountants.

Expected Learning Outcomes:

1. Data Analysis Proficiency: Use advanced analytical tools (e.g., Excel, Tableau, Power BI, Python, or R) to process, analyze, and interpret large datasets for business decision-making.
2. Predictive Modeling: Develop and apply predictive models to forecast financial and operational outcomes, such as budgeting, revenue trends, and risk assessment.
3. Data Visualization: Create effective data visualizations and dashboards to communicate insights to stakeholders in a clear and actionable manner.
4. Business Application: Apply data analytics to solve accounting-specific problems, such as cost optimization, performance evaluation, and fraud detection.
5. Critical Interpretation: Critically interpret analytical results to provide evidence-based recommendations for strategic business decisions.
6. Technology Integration: Leverage emerging technologies, such as machine learning and AI, to enhance data-driven decision-making in accounting contexts.

Course Title : **Tax Management**

Course Code : LEAK6027

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

Tax Management, often titled Advanced Taxation or Corporate Tax Planning in Master's programs, equips students with expertise in navigating complex tax laws to optimize business and individual financial outcomes. Core content includes federal and state tax regulations for C corporations, S corporations, partnerships, estates, trusts, and flow-through entities; tax research methodologies; compliance and planning strategies; and the integration of tax considerations with financial accounting (e.g., ASC 740 deferred taxes). Students study ethical obligations, IRS procedures, and tools for minimizing tax liabilities while maximizing after-tax wealth, often through case analyses of real-world scenarios like mergers, international taxation, and controversy resolution. The course prepares graduates for careers in tax consulting, corporate tax departments, or IRS roles, and aligns with CPA exam re.

Expected Learning Outcomes:

1. Tax Compliance: Demonstrate proficiency in applying federal, state, and international tax regulations to ensure compliance for individuals, corporations, partnerships, and other entities.
2. Tax Planning: Develop strategies to minimize tax liabilities and maximize after-tax wealth through effective tax planning for business transactions, such as mergers, acquisitions, and restructurings.
3. Tax Research: Conduct advanced tax research using primary sources (e.g., IRS code, regulations, and case law) to address complex tax issues and provide informed recommendations.
4. Ethical Decision-Making: Navigate ethical dilemmas in tax practice, ensuring adherence to professional standards and IRS guidelines.
5. Stakeholder Advisory: Communicate tax strategies and implications effectively to clients, management, or regulatory bodies, tailoring advice to diverse audiences.

Course Title : **Development Economics**

Course Code : EKO1824101

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course addresses global development issues. The majority of the world's population is poor and still lives on less than $2.15 per day. Why do they still struggle with poverty, and what indicators are appropriate for measuring poverty? At the same time, developing countries cannot escape the trends of economic globalization. What policies are appropriate and how governments should formulate them to address this poverty problem?

Expected Learning Outcomes:

Mastering the theory and the concepts of economic development, specifically the evolution of development thought and current issues on economic development. Also, capable of managing data and indicators of development, as well as government policies to address development problems in developing countries.

Course Title : **Microeconomics**

Course Code : EKO1824102

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course examines consumer and producer behaviour at intermediate to advance level. The primary focus is on theoretical understanding with an expanded discussion of applications to public policy. Policy issues such as pollution, welfare and income distribution, market types, industry regulation, price controls, tax policy, and health insurance are some of the cases used to illustrate microeconomic principles. This course also employs a more in-depth mathematical approach.

Expected Learning Outcomes:

Mastering microeconomics theory and its application at the intermediate level. It covers consumer and producer behavior, market structure and strategic behavior, mathematical approaches, and application to public policy.

Course Title : **Macroeconomics**

Course Code : EKO1824103

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course examines macroeconomics at an intermediate to advanced level, encompassing the analysis of the aggregate behaviour of economic actors in an open economy model. This course will also include topics on economic growth, the development of macroeconomic thought, and the microeconomic foundations of macroeconomics. The course emphasizes mastery of concepts and theories, as well as an understanding of the impact of macroeconomic policies on macroeconomic variables and economic performance.

Expected Learning Outcomes:

Mastering macroeconomics theory and its application at the intermediate level, covering macroeconomic models, growth theory, the evolution of macroeconomics thought, open economy, and macroeconomic policy.

Course Title : **Political and Institutional Economics**

Course Code : EKO1824104

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The objective of the course is to provide students with a solid foundation in the basic concepts of new institutional economics, as well as a first impression and understanding of the topics studied and the methodologies used at the forefront of institutional research today. Throughout the course, students will learn how to read and write research papers, evaluate the quality of a research paper (including assessing the data and methodology used), and interpret regression outputs and empirical results.

Expected Learning Outcomes:

Mastering the theory of political and institutional economics and its application in the relevant fields. Also, capable of reading and analyzing papers (articles) as well as applying the research of this course.

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Course Title : **Global Economic Analysis**

Course Code : EKO1824105

Credits : **4.8 ECTS**　　　　Type of Course: Mandatory

Course Description :

This course discusses globalization, including its history, motivations, challenges, benefits, and impacts, particularly for poor and developing countries. It also examines current developments in globalization, particularly in the face of global dynamics that tend to return to protectionism.

Expected Learning Outcomes:

Mastering the concept and challenges of globalization, covering the role of international institutions in globalization, the history and the impact of the global crisis, the role of the market, and the future of globalization.

Course Title : **Public Economics**

Course Code : EKO1824313

Credits : **4.8 ECTS**　　　　Type of Course: Elective

Course Description :

This course provides advanced, organized, and comprehensive discussions on theoretical concepts and empirical studies in the field of public economics. This subject explores the relationship between government and the market, examining the arguments for and against government involvement. Accordingly, this course covers a wide range of important decisions faced by policymakers regarding the expenditure and financing side of the public sector, as well as their implications for the behaviour of individuals, companies, and the economy.

Expected Learning Outcomes:

Mastering the theory of public economics at the intermediate level, covering theoretical concepts and empirical studies in the field of public economics. Evaluate fiscal policy independently, and have the ability to analyze the relationship between institutional arrangements and fiscal outcomes, communicate and explain their analysis and conclusions in a clear and unambiguous manner.

Course Title : **Empirical and Policy Analysis of Public Economics**

Course Code : EKO1824315

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course examines empirical analysis and public economic policy, emphasizing the empirical application of a scientific approach to regional economics and its relationship to public economic policy. This course integrates empirical evidence and policy implementation. This synthesis is expected to provide students with comprehensive knowledge across theoretical, empirical, and policy implementation domains. This course serves as an umbrella for two other courses in the Public Economics concentration.

Expected Learning Outcomes:
Mastering the empirical application of a scientific approach to public economics and its relationship to public economic policy.

Course Title : **Regional and Urban Economics**

Course Code : EKO1824316

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course examines how economic forces shape developed (urban) regions and the economic interconnections between regions. It develops a conceptual framework for discussing theories of land use, housing, transportation, and regional economic development, while also examining empirical evidence supporting these theories.

Expected Learning Outcomes:
Mastering the theory of regional and urban economics at the intermediate level, covering how economic forces shape developed (urban) regions and the economic interconnections between regions, as well as its application in the relevant fields study.

Course Title : **Empirical and Policy Analysis of Regional Economics**

Course Code : EKO1824318

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course examines empirical analysis and regional economic policy, emphasizing the empirical application of a scientific approach to regional economics and its relationship to regional economic policy. This course integrates empirical evidence and policy implementation. This synthesis is expected to provide students with comprehensive knowledge across theoretical, empirical, and policy implementation domains. This course serves as an umbrella for two other courses in the Regional Economics concentration.

Expected Learning Outcomes:

Mastering the empirical application of a scientific approach to regional economics and its relationship to regional economic policy.

Course Title : **Marketing, Consumption, and Sustainability**

Course Code : EMJ1824111

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides a comprehensive introduction to contemporary marketing practices. This course explores both marketing theory and practice. The lecture sessions introduce established concepts, frameworks and techniques to approach marketing problems. The case study sessions illustrate how these marketing concepts, frameworks and techniques can be applied in real world situations.

Expected Learning Outcomes:

By the end of this course, students will be able to generate product/market fit by understanding and analyzing customer behavior, identifying market gaps, and crafting the right offering for the right market segment; Build a brand, measure brand equity, and capitalize on brand value; Analyzing the role of channels, channel partners (e.g., distributors or retailers), and other intermediaries in delivering products, services and information to customers; Generating awareness and encourage consideration and purchase; Setting prices that capitalize on value to customer and capture value for the firm; Making and defending marketing decisions in the context of real-world problem situations with incomplete information (case studies); Improving group problem-solving and written communication skills; Making cross-functional connections between marketing and other business areas.

Course Title : **Financial Decision Making**

Course Code : EMJ1824112

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course will focus on a contemporary study of issues and problems in Financial Management that enhances the skills of managers to develop understand and apply analytical tools for decision making. Managers should be able to apply tools and techniques in short-term financial management, cash and funds budgeting, capital budgeting, pricing of capital, capital structure and international finance. Application of financial programs and Excel on problems and case studies will be utilized.

Expected Learning Outcomes:

By the end of this course, students will be able to apply financial theory and concepts to cases and problems in corporate financial management, use appropriate quantitative analytical techniques including Excel spreadsheets, conduct basic corporate risk analysis, make decisions regarding working capital management and funds management, plan capital budgeting for the corporation, apply and assess appropriate valuation theories, and apply all financial tools above develop a coherent analysis of a business problem.

Course Title : **Human Resource Management and Workplace Relations**

Course Code : EMJ1824113

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description   :

This course is designed to acquaint students with best practices for leveraging the competitive value of human capital in organizations. Students will be exposed to current issues and practices associated with workforce management, including the legal and regulatory elements of managing employees, staffing, job analysis, performance management, discipline, compensation systems, benefits and termination. A strategic approach will be emphasized which encompasses methods of measuring the financial implications of human resource practices and exposure to a balanced scorecard approach to human resources management.

Expected Learning Outcomes:

By the end of this course, students will be able to analyze how institutions, markets, managers, and workers structure the employment relationship, understand the main concepts and theories of industrial relations and human resource management (IR/HRM), investigate how various IR/HRM policies affect employee motivation and firm performance, apply IR/HRM frameworks to real-world problems faced by managers, compare different countries' labor institutions and evaluate how those institutions shape management strategy, consider – from multiple perspectives – the impacts of managerial IR/HRM decisions, both positive and negative, on individual workers and on the broader society, and reflect on how they plan to navigate their own career paths, as workers, managers, and (perhaps) as employers.

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Course Title : **Operations Management and Technology**

Course Code : EMJ1824114

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This course discusses the management of the efficient transformation of inputs into outputs to suitably satisfy customers. Inputs are materials, labor, capital and management. Outputs are products or services, which customers want and often pay for. The course provides an introduction to the operations and the related management concepts. The level of discussion varies from strategical to daily control.

Expected Learning Outcomes:

By the end of this course, students will be able to discuss a range of operation settings (explaining the role of operations, and their interaction with the other activities of finance, marketing, organization, corporate governance, etc.; to understand how operations affect people and society; To appreciate the challenge, excitement and creativity associated with managing operations), analyze operation processes from various perspectives such as efficiency, responsiveness, quality and productivity, and to learn basic but useful analytical skills and tools in studying operations inspection and other activities (marketing, finance, etc.) in generative, on individual workers and on the broader society, and reflect on how they plan to navigate their own career paths, as workers, managers, and (perhaps) as employers.

Course Title : **Advanced Business Research Method**

Course Code : EMJ1824115

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This course is designed to provide students with in-depth knowledge and skills regarding research methods in business where students will develop skills needed to plan, organize, and undertake a business research project by using both quantitative and qualitative research methods.

Expected Learning Outcomes:

By the end of this course, students will be able to identify a business research opportunity, synthesize a range of literature on a business problem, reflect on research processes within a specific context, develop argumentation for the hypotheses, apply appropriate research methods, and plan and design a research project,and justify the techniques associated with qualitative and quantitative business research methodologies.

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Course Title : **Research Project**

Course Code : EMJ1824311

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

The Master's degree program entails the culmination of a student's academic journey through a research project of their own design, which is meticulously documented in a final research report or dissertation. Throughout this process, the student receives guidance from an academic supervisor and support from various key skill programs. Emphasizing originality, deliberate methodological choices, and relevance to significant disciplinary conversations, students are tasked with constructing a research project of high caliber. Ultimately, the dissertation serves as a showcase of the student's utmost research and analytical capabilities.

Expected Learning Outcomes:

By the end of this course, students will be able to demonstrate an ability to plan a research project, such as is required in a research proposal prior to the launch of their work; demonstrate an ability to comply with ethical, safety, and documentation processes appropriate to their project; demonstrate expert knowledge in the subject of their research project, such as through an integrated literature survey; demonstrate expert knowledge in the research methods appropriate to generating reliable data for their research questions; demonstrate the ability to project manage and to make constructive use of expertise associated with their project, while working as an independent learner; demonstrate an ability to relate their original data to existing literature, or to create a novel synthesis of existing materials; demonstrate an ability to assemble their findings into a substantial piece of writing that presents a clear thesis and a cohesive, evidence-based argument; demonstrate an ability to balance description, analysis, and synthesis within their project report; demonstrate an ability to reflect on the strengths and weaknesses of their research and methodology, with constructive advice on how they might improve their efforts in future work.

Master of Management

Course Title : **Business Case Analysis and Presentation**

Course Code : EMJ1824312

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The course is designed to equip students with the skills to craft and present compelling business arguments, essential for professionals across various domains. These skills are particularly valuable for securing startup funding, winning business contracts, proposing financial solutions for growth and profitability, and attracting investment for projects. Regardless of the specific objective, professionals must be able to analyze data, formulate recommendations, and effectively communicate their proposals to influence decision-making. As part of the course, students develop case studies based on their workplace experiences. These cases are collaboratively written in groups, under the guidance of their supervisor, and are ultimately published as book chapters, contributing to a collective body of knowledge.

Expected Learning Outcomes:

By the end of this course, students will be able to develop case studies based on their workplace experiences. This skill contains the capabilities on analyzing data, formulating recommendations, and effectively communicating a proposal to influence decision-making.

Course Title : **Research Proposal Seminar**

Course Code : EMJ1824313

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course is a thesis proposal defense. Students are required to write a thesis research proposal, starting from an introduction and move into an underlying literature review. The last part is the research method as a way to execute the research idea.

Expected Learning Outcomes:

By the end of this course, students will be able to develop a research proposal containing introduction, literature review, and methods. The methods used could be in the form of quantitative, qualitative, or mixed methods approaches. As such, the work would describe the students' logical and analytical thinking on either solving business problems or testing theories.

Course Title : **Strategic Brand Management (Marketing Concentration)**

Course Code : EMJ1824316

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description   :

Branding is both an art and a science. Thus, few branding situations have a definitive, unqualified answer as to the "right" strategy or "best" marketing approach. This brand strategy course provides a comprehensive examination and discussion of relevant theories, concepts, models and tools and the role of technological innovation. The theoretical framework will be enhanced with practical applications and examples as well as case studies in all relevant areas.

Expected Learning Outcomes:

Upon completing this course, student would be able to develop brand strategy framework, conduct analyses on increasing customer-based brand-equity and improving marketing ROI, develop brand-building marketing and communication programs, and manage brands over time, geographies and market segments.

Course Title : **Integrated Marketing Communication (Marketing Concentration)**

Course Code : EMJ1824317

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description   :

This is an advanced course designed to give students a strong theoretical background in advertising management issues, along with a practical understanding of how the elements in a marketing communications plan can help marketers achieve their objectives. This course aims to improve student understanding of concepts, principles, problems and applications of marketing promotion.

Expected Learning Outcomes:

Upon completing this course, student would be able to demonstrate an understanding of Integrated Marketing Communications (IMC) concepts, principle and terminology; analyze a specific IMC campaign, including media strategy, target market selection, message content and evaluation criteria; apply IMC concepts in developing a limited promotional campaign that includes message development and media selection for a product or service; demonstrate project management skills as they work cooperatively on a team project; and coordinate marketing strategy with a public relations/social media campaign.

Course Title : **Sales and Distribution Management (Marketing Concentration)**

Course Code : EMJ1824318

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course is meant to make students understand fundamentals of Sales Management and Distribution Management. Since many students with Marketing Specialization start their career in sales, business development, retailers, wholesalers and distributors handling, it is essential to study basics of personal selling, sales management, distribution dynamics, various channels of distribution etc. Through this course, students will be equipped with basic skills required in sales and distribution management.

Expected Learning Outcomes:

Upon completing this course, student would be able to understand the basics of personal selling, sales management, distribution dynamics, and various channels of distribution; and practice the skills of consultative selling model to understand the process of selling, discovery of and alignment with customer's needs, presentation of solutions, overcoming objections, and gaining agreement.

Course Title : **Strategic Marketing (Marketing Concentration)**

Course Code : EMJ1824319

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course focuses on helping students refine their skills in developing a marketing strategy and seeing how the marketing tactics selected need to be in alignment with that strategy. The course will focus specifically on issues such as the selection of which businesses and segments to compete in, how to allocate resources across businesses, segments, and elements of the marketing mix, how to launch new products into the market, as well as other significant strategic issues facing today's managers in a dynamic competitive environment.

Expected Learning Outcomes:

All of the issues will be discussed and couched in the context of the dynamic nature of market evolution that occurs throughout the Product Life Cycle (PLC). After completing this course, students would be able to develop strategic thinking skills and learn to apply analytical and data science tools to help formulate effective marketing tactics in each phase of the PLC; conduct analytical frameworks for thinking through the problem, and inform the decisions through data.

Master of Management

Course Title : **Advanced Risk Management (Finance Concentration)**

Course Code : EMJ1824320

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course covers the fundamentals of Enterprise Risk Management and Financial Risk Management. It includes a thorough examination of the historical development and future trajectory of risk management. Throughout the course, it delves into specific concepts, frameworks, techniques, and regulatory considerations relevant to both general organizations and financial institutions. Emphasis is placed on cultivating critical thinking skills regarding risk and practical implementation of risk management strategies. While the theoretical aspects of risk management remain important, they are secondary to the practical application and are only addressed when pertinent.

Expected Learning Outcomes:

By the end of this course, students will be able to understand the distinctions and similarities between financial institution risk management and corporate risk management; explore the latest developments in risk regulation and anticipate their evolution upon finalization; and discuss the implications of financial institution regulation for the future of financial institution management and their role in the global and local economy.

Course Title : **Behavioral Finance (Finance Concentration)**

Course Code : EMJ1824321

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

In the field of Finance, traditional models have long relied on assumptions of human rationality to drive decision-making processes, leading to the development of powerful theories such as portfolio theory, option-pricing, and valuation. These theories, while successful in many regards, struggle to explain various anomalies observed in financial markets, including fluctuations in asset prices, disparities in stock performance based on price-to-earnings ratios, and managerial attempts to manipulate earnings per share. Behavioral Finance challenges the assumptions of perfect rationality inherent in traditional finance models, offering explanations for these anomalies by considering the psychological and emotional factors that influence decision-making. This course explores the foundations of Behavioral Finance, examining how deviations from rational behavior impact financial decision-making.

Expected Learning Outcomes:

By the end of this course, students will be able to gain an enhanced understanding of how individuals actually make financial decisions, with a view to more informed, prescriptive decision making within investment, organizations, and on a personal basis; to critically discuss existing behavioral economics research as well as to present their own research ideas, with a view to empirical application; and to apply important behavioral biases of beliefs and preferences in financial settings, e.g., overconfidence, loss aversion, skewness preference, reference-dependence, narrow framing, myopia, or time-inconsistency.

Course Title : **Financial Market and Digital Innovation (Finance Concentration)**

Course Code : EMJ1824322

Credits : **4.8 ECTS** Type of Course: Elective

Course Description :

This class focuses on the international aspects of financial markets and recent trends in technology, globalization, and regulation. Currency exchange rates have a major impact on international transactions and the business environment. The class studies the markets for exchange rates. As the most liquid financial market, there are a variety of derivative contracts available on currencies such as forwards, futures, swaps, and options. The class provides in-depth perspectives on these. For many firms, exchange rates are primarily viewed as risks affecting operational and financial positions. Currency risk management is one of the main themes of this course. For investors, currencies as well as international equity and bond markets represent opportunities that complement domestic investments. The class considers the optimal exposures to international stocks and bonds, and the role of currency risks in international portfolios.

Expected Learning Outcomes:

By the end of this course, students will be able to understand the structure and function of international financial markets; analyze foreign exchange markets and derivatives; evaluate currency risk and hedging strategies; optimize international investment portfolios; and examine the impact of financial technology on markets.

Course Title : **Foundations of Financial Technology and Cryptocurrencies (Finance Concentration)**

Course Code : EMJ1824323

Credits : **4.8 ECTS** Type of Course: Elective

Course Description :

This course focuses on the connection between banking, finance and technology. Students will learn how this emerging sector uses the technology to improve and make financial services more accessible to the wider public. Topics such as digital payments and remittances, crowd funding, blockchain and cryptocurrencies will be covered. Case studies to be explored include P2P (Peer to Peer) funding, digital currency (Bitcoin), settlement (Blockchain) and financial advisory.

Expected Learning Outcomes:

By the end of this course, students will be able to describe how banks and financial service providers respond to emerging financial technology; compare and contrast diverse financial services and technologies to evaluate emerging practices for enhancing delivery quality; use Excel or other statistics software to develop, implement, and evaluate an optimal trading strategy on cryptocurrencies; and propose new solutions using emerging technologies to improve the delivery of financial services to the broader community.

Course Title : Employee Training and Development (Human Resource Management Concentration)

Course Code : EMJ1824324

Credits : **4.8 ECTS** Type of Course: Elective

Course Description :

The development of an organization's human resources is becoming more critical as an organization attempts to survive in an increasingly turbulent, dynamic, and competitive global marketplace. This course will examine the role of human resource development in maintaining an organization's competitive position in today's environment. In doing so, it will identify assessment techniques that will assist the manager in determining the general training needs of the organization and the specific needs of the employees and it will introduce practices that help managers to successfully transfer training to the workplace so that organizational efficiency and effectiveness improve. The course will also examine special topics of interest, such as diversity training and career management.

Expected Learning Outcomes:

By the end of this course, students will be able to research and describe recent approaches to training and development; list current issues facing the training profession; apply theories of learning to the training function; develop a training module; and describe what an effective employee training and development program should look like.

Course Title : Leading with Emotional Intelligence (Human Resource Management Concentration)

Course Code : EMJ1824325

Credits : **4.8 ECTS** Type of Course: Elective

Course Description :

This course focuses on emotional intelligence (EI) and emotional and social intelligence (ESI) theories in relation to understanding, developing, and leveraging emotional and social intelligence in the workplace. It highlights methods that are used to create positive and productive worksite conditions and support individual employee success. Using strategies presented through both the ability and emotional-social competence models, students are taught leadership skills necessary in today's diverse organizational environment.

Expected Learning Outcomes:

By the end of this course, students will be able to demonstrate an understanding of relevant theories and apply them given the background context of a particular work situation; and to identify key theoretical aspects and practical applications of EI abilities and ESI competencies as they relate to the workplace.

Course Title : Competitive Advantage and Human Resource Strategy (Human Resource Management Concentration)

Course Code : EMJ1824326

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

The strategic management of human assets is only one source of competitive advantage. Yet many managers recognize (and many successful organizations embody) the reality that the competitive edge gained from the newest technology, the latest marketing strategy, or the most creative product design may be relatively short-lived as competitors rush to imitate and follow. Aligning human resource systems with business strategy is not easy, but once achieved, it seems to offer a more sustainable - because more unique and difficult to imitate - source of competitive advantage. This course will address two central themes: 1) How to think systematically and strategically about various aspects of managing the organization's human assets; and 2) What really needs to be done to implement these policies and achieve competitive advantage.

Expected Learning Outcomes:

By the end of this course, students will be able to think "systematically" about HR strategic management for any particular organization; consider the bundles of work practices and human resources processes that make up the overall system for managing people and evaluate whether these are internally consistent and aligned ("internal fit"); assess the relationship between practices/processes of managing people and the firm's strategy and strategic context, e.g. industry structure, competitive landscape, political, social, and economic environment -- for evidence of external fit; and recognize that although many organizations recognize the importance of managing the workforce effectively (and even "know" what approaches have been effective elsewhere), firms and managers very often fail to implement these approaches.

Course Title : **Managing Workplace Relations (Human Resource Management Concentration)**

Course Code : EMJ1824327

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course explores the principles of effective professional and relational communication in the workplace. The course combines both theory and practice in an effort to help students manage workplace interactions and to create and maintain successful workplace relationships.

Expected Learning Outcomes:

By the end of this course, students will be able to articulate the importance of communication in the development of successful workplace relationships; identify effective communication strategies in building successful co-worker, supervisor, and customer relations; identify problematic relationships in the workplace, workplace stressors, and conflict; identify connections between technology and effective workplace relationships; and appreciate and understand work-to-home and home-to-work challenges and their influence on professional and relational communication

Course Title : **Managing Organizational Change (Strategic Management and Executive Leadership Concentration)**

Course Code : EMJ1824328

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

Change is inherent in organizational life. It is the fundamental role of the leader to drive change. Small incremental changes are a fact of life and in most good organizations, they are happening all the time. The emphasis of the course is on the "how" of change, rather than the "what." The "what" is often dictated by strategic, financial, or marketing considerations. Since those are not the focus of this course, this course mostly will leave the "what" to others. Here, it focuses on the "how" so that this can leave the course better-equipped to participate in the change process (when it is initiated by others) and effectively drive the change process (when a party is the principal agent of change).

Expected Learning Outcomes:

By the end of this course, students will be able to understand how to lead changes, managing cultural changes, managing merger, managing new organizational forms, managing corporate transformations, managing growth, and managing changes in professional services.

Course Title : **Managerial Decision Making (Strategic Management and Executive Leadership Concentration)**

Course Code : EMJ1824329

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

Over the last 50 years, psychologists and economists have collaborated to investigate how people process information and make decisions, departing from assumptions of full rationality and self-interest. This field, termed behavioral economics, aims to understand deviations from optimal choices and their consequences. This course focuses on comprehending the nature, causes, and implications of these decision-making limitations. The first two-thirds will examine deviations from economic predictions, while the final third will analyze the implications of these biases for managers and policymakers. Given that individuals often exhibit poor intuitive statistical reasoning, resulting in biased decisions, the course will focus on identifying and addressing such errors relevant to managerial contexts. Additionally, it will explore methods for evaluating the efficacy of new ideas within workplace settings.

Expected Learning Outcomes:

By the end of this course, students will be able to enhance capacity as future managers to influence the behavior of various stakeholders, including consumers, employees, and external individuals. This goal will be accomplished by integrating insights from behavioral economics with the traditional tools of incentives and information provided by standard economics. Secondly, students will be able to elevate the quality of managerial decision-making. This involves bolstering their intuitive empirical skills and refining their comprehension of project evaluation.

Course Title : **Negotiation (Strategic Management and Executive Leadership Concentration)**

Course Code : EMJ1824330

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

Everyday interactions involve negotiations, whether it's with vendors, colleagues, or loved ones, determining prices, salaries, or chores. Despite its commonality, many lack insight into effective negotiation strategies and the underlying psychology. Why do some negotiations end in success while others leave us feeling frustrated? This course aims to bridge theory and practice, enhancing both theoretical understanding of negotiation processes and practical negotiation skills. Through a blend of negotiation simulations, readings, lectures, and discussions, students will refine an ability to negotiate and analyze negotiations intelligently. Also, embrace an open mind and a willingness to learn and experiment throughout the course.

Expected Learning Outcomes:

By the end of this course, students will be able to enhance awareness of negotiation theory and behavior; to increase your ability to analyze negotiation processes, professionally and personally; to identify different types of negotiations and gain a strong understanding of the benefits, disadvantages, and appropriateness of each in different settings; to build confidence and competence through the regular practice of negotiation; and to provide tools for continued growth and development as a negotiator.

Course Title : **Managing Startup Enterprises (Strategic Management and Executive Leadership Concentration)**

Course Code : EMJ1824331

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course focuses on management during the early stages of an enterprise, characterized by the strategic challenge of being a new entrant in the market and the organizational challenge of rapid scaling. These enterprises have progressed beyond the purely entrepreneurial phase and require systematic formalization of strategies and organizational processes to achieve maturity and stability. However, they still lack the resources of established firms, making the associated challenges both exciting and complex, with significant consequences. The class is structured around three distinct yet interconnected topics that managers of emerging firms must address: strategy, human capital, and global strategy.

Expected Learning Outcomes:

By the end of this course, students will be able to strategic environment, technological innovations and strategy, business model innovation, scaling and organizational growth, performance management, international strategy, and managing stakeholders challenges.

Course Title : **Currents**

Course Code : IOC1624303

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This course provides an in-depth exploration of ocean currents, their physical origins, governing dynamics, observational methods, and wide-ranging impacts on climate, ecosystems, and human activities.

Expected Learning Outcomes:

By the end of this course, students will be able to explain the physical mechanisms that generate and sustain ocean currents across temporal and spatial scales, and apply fundamental dynamical principles, such as geostrophy, vorticity dynamics, and wind-driven circulation theory, to interpret current behavior.

Course Title : **Waves**

Course Code : IOC1624302

Credits : **4.8 ECTS**

Type of Course: Mandatory

Course Description :

This course offers a comprehensive study of ocean surface waves from their generation by wind to their transformation, propagation, and dissipation in coastal and open-ocean environments.

Expected Learning Outcomes:

Upon successful completion of this course, students will be able to explain the fundamental physical principles governing the generation, propagation, and transformation of ocean waves across deep and shallow water environments.

Faculty of Fisheries and Marine Science
Bachelor of Oceanography

Course Title : **Chemical Oceanography**

Course Code : IOC1624306

Credits : **4.8 ECTS** Type of Course: Mandatory

Course Description :

This course explores the composition, distribution, and biogeochemical cycling of chemical constituents in the ocean and their interactions with the atmosphere, seafloor, and marine life.

Expected Learning Outcomes:

Upon completion of this course, students will be able to describe the major chemical components of seawater and explain the physical, biological, and geological processes that control their distribution and cycling in the ocean.

Course Title : **Fisheries Oceanography**

Course Code : IOC1624304

Credits : **3.2 ECTS** Type of Course: Mandatory

Course Description :

This interdisciplinary course examines the dynamic relationships between marine physical and biological oceanographic processes and the distribution, abundance, and productivity of fish and other exploited marine species.

Expected Learning Outcomes:

By the end of this course, students will be able to explain how physical and biological oceanographic processes shape the distribution, abundance, and recruitment dynamics of commercially and ecologically important marine species.

Course Title : **Tides**

Course Code : IOC1624301

Credits : **4.8 ECTS** Type of Course: Mandatory

Course Description :

This course provides a thorough examination of tidal phenomena in coastal and oceanic environments, covering the astronomical, dynamical, and practical aspects of tides.

Expected Learning Outcomes:

Upon successful completion of this course, students will be able to explain the astronomical origins of tides and apply dynamic tidal theory to understand how local geography and ocean physics modify tidal patterns globally.

Course Title : **Fish Parasites and Diseases**

Course Code : IAK1624-312

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course introduces the diversity of parasitic and non-parasitic diseases affecting fish, with emphasis on tropical aquaculture species. Topics include the etiology, clinical signs, life cycle, diagnosis, and prevention of diseases caused by fungi, protozoa, helminths, bacteria, and viruses, as well as non-infectious disorders related to environmental, nutritional, and genetic factors. Special attention is given to regionally important pathogens in tropical aquaculture systems and their implications for sustainable fish health management.

Expected Learning Outcomes:

Upon successful completion of this course, students will be able to explain the general principles of fish health and disease; distinguish between infectious and non-infectious diseases; describe the pathogenesis and clinical symptoms of major parasitic, bacterial, and viral infections in fish and shrimp; analyze the influence of environmental, feed, and genetic factors on disease outbreaks; and propose preventive and management strategies for maintaining fish health in aquaculture settings.

Course Title : **Aquaculture Innovation and Business**

Course Code : IAK1624-531

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course introduces the principles of innovation and entrepreneurship in aquaculture, emphasizing creative approaches to problem-solving and business development within the industry. Students explore concepts of value creation, sustainable business models, and technology-driven innovations that address challenges in aquaculture production, processing, and marketing. The course also highlights the importance of teamwork, adaptability, and social responsibility in developing aquaculture enterprises.

Expected Learning Outcomes:

Upon successful completion of this course, students will be able to demonstrate entrepreneurial thinking and independence; apply innovative approaches to address aquaculture challenges; design sustainable business concepts; work effectively in teams to develop solutions; and show social awareness in implementing and evaluating aquaculture business practices.

Faculty of Fisheries and Marine Science
Bachelor of Aquaculture

Course Title : **Fish Nutrition**

Course Code : IAK1624-313

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course examines the science and technology of fish nutrition, including macronutrient and micronutrient requirements, energy, and feed additives for cultured species. It explores the relationship between nutritional parameters, ingredient selection, feed formulation, and their impacts on growth and health in aquaculture. Applications cover freshwater, brackish, and marine species, including finfish, crustaceans, and mollusks.

Expected Learning Outcomes:

Upon successful completion of this course, students will be able to explain the principles of fish nutrition; apply knowledge of nutrient and non-nutrient components in feed development; evaluate factors affecting feed quality and performance; and analyze feed formulation strategies to optimize growth and sustainability in aquaculture production.

Course Title : **Aquaculture Product Diversification and Development**

Course Code : IAK 1624-658

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course introduces the concepts and strategies for developing aquaculture industries through product diversification and value addition. It covers SWOT analysis, identification of priority commodities, application of innovative technologies, and marketing approaches to expand aquaculture opportunities. Emphasis is placed on sustainable development, entrepreneurship, and competitiveness in the global aquaculture sector.

Expected Learning Outcomes:

Upon successful completion of this course, students will be able to demonstrate entrepreneurial skills and independence; apply SWOT analysis to assess aquaculture opportunities; design product diversification strategies using innovative technologies; work effectively in teams to solve industry challenges; and apply socially responsible approaches to aquaculture business development.

Course Title : **Aquaculture Environmental Management**

Course Code : IAK 1624-530

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course examines the interactions between aquaculture practices and the environment, focusing on principles and methods for managing water quality, effluents, and ecosystem impacts. Topics include environmental assessment, conservation practices, best aquaculture practices (BAP), and strategies to enhance the sustainability and social responsibility of aquaculture operations.

Expected Learning Outcomes:

Upon successful completion of this course, students will be able to evaluate the environmental impacts of aquaculture systems; apply best aquaculture practices to support sustainable production; design management strategies that balance productivity with conservation; and inspire communities to adopt responsible aquaculture and contribute to environmental stewardship.

Faculty of Fisheries and Marine Science
Bachelor of Aquatic Resources Management

Course Title : **Protected Aquatic Endangered Species (IUCN list)**

Course Code : IMP1624634

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

Understanding the basics of determining the protection of certain types of biota according to both the IUCN Red List and the Laws of the Republic of Indonesia, especially those intended for the management and protection of aquatic biota. Introduce protected aquatic biota in Indonesia, namely the phyla Mammalia, Aves, Reptilia, Pisces, Mollusca, Arthropoda (Crustacea), Anthozoa, and mangrove groups based on biogeographical distribution, habitat specifications, qualitative descriptive identification, and management obstacles. In addition, explain ecological functions, reproduction, and conservation status/techniques.

Expected Learning Outcomes:

Able to recognize species, understand biogeography and distribution, habitat characteristics, morphology, physiology, reproduction, and conservation techniques for protected aquatic biota.

Course Title : **Fisheries Resources Management**

Course Code : IMP1624530

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The Fisheries Resource Management course aims to provide a comprehensive understanding of sustainable fisheries resource management based on community, ecosystem, and national as well as international law. Students will learn management theory and practice, including data collection, monitoring, evaluation, and strategic planning in the context of fisheries resources.

Expected Learning Outcomes:

Able to identify data, information, and the status of fishery resource utilization, legal aspects in the implementation of fisheries resources management, as well as monitoring and evaluation of capture fisheries.

Faculty of Fisheries and Marine Science
Bachelor of Aquatic Resources Management

Course Title : **Economic Valuation of Fisheries Resources**

Course Code : IMP1624652

Credits : **4.8 ECTS**　　　　　　Type of Course: Elective

Course Description :

Economic valuation discusses the concepts, methods, and applications of economic valuation used to assess water resources such as fisheries, marine ecosystems, and other aquatic resources. Students will learn how to measure the market and non-market value of aquatic resources, evaluate the impact of policies on these resources, and use the results of the valuation for decision making. The main focus is to provide an understanding of various valuation methods such as the Travel Cost Method (TCM), Contingent Valuation Method (CVM), and Benefit-Cost Analysis (BCA) in the context of sustainable aquatic resource management.

Expected Learning Outcomes:

Able to understand the meaning and value of fishery resources, basic concepts and theories of economic valuation, understand Economic Valuation Models and Techniques, and understand Methods and Policies for Utilizing Aquatic Resources Based on Economic Valuation as applied to fishery resources.

Course Title : **Biotechnology for Fisheries Resources Management**

Course Code : IMP1624643

Credits : **4.8 ECTS**　　　　　　Type of Course: Elective

Course Description :

Biotechnology for Fisheries Resources Management is the foundation of science related to the organization of life and its constituent macromolecules, metabolism, the central dogma of molecular biology molecular level, and the Polymerase Chain Reaction (PCR) method used as a basis for deepening the study of Aquatic Biotechnology, which involves the application of science and technology in the direct or indirect use of aquatic organisms or parts or products of aquatic organisms in their natural or modified form for the management aquatic resources at the genetic, species, population, and ecosystem levels.

Expected Learning Outcomes:

Students are able to connect basic theoretical concepts by demonstrating accurate and clear understanding of the organization of life and its constituent macromolecules, metabolism, the central dogma of molecular biology, and the Polymerase Chain Reaction (PCR) method required as a foundation for application in the field of sustainable aquatic resource management in relation to the conservation and utilization of aquatic resources, and present them with quality and measurable performance.

Faculty of Fisheries and Marine Science
Bachelor of Marine Sciences

Course Title : **Coralogy**

Course Code : PIIK6012

Credits : **4.8 ECTS**　　　　　　Type of Course: Mandatory

Course Description :

Study the bioecology of hard corals that make up coral reefs by knowing the types of hard corals and identifying at least up to genus; coral reproduction mode and its implications for reef structures, reef communities and the distribution of world reefs; nutrition, food webs in reef areas, symbiosis and symbiotic flexibility; and the impact of global climate change (coral disease).

Expected Learning Outcomes:

Students are able to explain the concepts and formation of coral reefs, identify reef-building corals and their reproductive modes with their ecological and genetic implications, analyze nutrient dynamics, trophic structures, and symbiotic interactions within reefs, and evaluate microbial balance, coral diseases, their identification methods, as well as strategies for prevention and mitigation.

Course Title : **Tropical Marine Ecology**

Course Code : PIIK6015

Credits : **4.8 ECTS**　　　　　　Type of Course: Mandatory

Course Description :

This course takes students on an in-depth exploration of tropical marine ecosystems and the fascinating life they support. Focusing on coral reefs, mangroves, seagrass beds and other tropical habitats, students will discover how these systems function, how organisms interact with one another and with their environment, and why they matter to people and the planet. The course also discusses patterns of biodiversity, productivity, nutrient cycling, and the impacts of both natural events and human activities.

Expected Learning Outcomes:

By the end of this course, students are expected to understand the structure and function of major tropical marine ecosystems such as coral reefs, mangroves and seagrass beds, and explain the interactions between organisms and their environment. They will be able to analyze biodiversity patterns, productivity and ecological processes, recognize the impacts of natural disturbances and human activities, and apply ecological concepts to real-world issues in conservation and management of tropical marine environments.

Course Title : **Ecotourism**

Course Code : PIIK6033

Credits : **4.8 ECTS**　　　Type of Course: Mandatory

Course Description :

Studying ecotourism in its role for environmental protection and ecosystem sustainability, its role in cultural protection, local wisdom and community empowerment, environmental education for local communities and tourists, ecotourism research and planning methodology, case studies of ecotourism tourist destinations on coasts and small islands.

Expected Learning Outcomes:

Students are able to understand the concepts, principles, and benefits of ecotourism, explain its roles in environmental protection, ecosystem sustainability, cultural preservation, local wisdom, and community empowerment, apply environmental education approaches and research-planning methodologies, as well as identify and analyze problems and solutions of ecotourism in coastal areas and small islands

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Course Title : **Dive Expertise**

Course Code : LIIK6044

Credits : **4.8 ECTS**　　　Type of Course: Elective

Course Description :

Case study-based learning in this course, students are tasked with discussing problems in a discussion that is divided into small groups, guided, learns to analyze and solve problems, and conveys in discussion forums, lecturers play a role in providing refeleksi and evaluation

Expected Learning Outcomes:

Students are able to discuss problems in a discussion that is divided into small groups, guided, learn to analyze and solve problems, and convey in discussion forums, lecturers play a role in providing reflection and evaluation.

Course Title : **Fishing Methods**

Course Code : IIT1624312

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Fishing Methods is a course that provides an in-depth study of various types of fishing gears and techniques, as well as their application in fishing operations. The course emphasizes both the theoretical concepts and practical aspects of fishing methods to support effective and sustainable capture fisheries.

Expected Learning Outcomes:

Upon completing this course, students are expected to have the ability to understand and explain the principles of various fishing gears and techniques, analyze their operational aspects, and apply this knowledge to design and evaluate fishing operations. Furthermore, students are able to integrate both theoretical and practical understanding of fishing methods to support effective, sustainable, and responsible capture fisheries.

Course Title : **Fishing Ground**

Course Code : IIT1624311

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The Fishing Grounds course discusses the definition of fishing grounds, the classification of fishing grounds, and the factors that influence fishing grounds in relation to fishing activities.

Expected Learning Outcomes:

Students will be able to explain, categorize the Determination of Fishing Areas, Characteristics of Fishing Areas and determine Fishing Areas.

Course Title : **Fishing Technology**

Course Code : IIT1624314

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Fishing Technology is a course that provides knowledge on fish capture technology, fishing routes, and fishing gears, with emphasis on the application of IoT and AI in modern fishing practices.

Expected Learning Outcomes:

After taking this course, students will be able to understand the concepts of fish capture technology, identify and analyze fishing routes and gears, and apply modern innovations such as IoT and AI in fishing practices. Students will also develop the ability to integrate these technologies to enhance efficiency, effectiveness, and sustainability in capture fisheries.

Course Title : **Sociology of Coastal Communities**

Course Code : IIT1624317

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

The coastal community sociology course studies sociology and coastal community sociology, the characteristics of coastal communities, social structures, social formation and stratification of coastal communities, coastal community institutions, fisherman conflicts, poverty theory, and coastal resource management. The objective of this course is to provide knowledge, understanding, and analysis of the importance of studying coastal communities sociologically.

Expected Learning Outcomes:

Through this course, students are expected to gain knowledge and understanding of sociology in the context of coastal communities, including their characteristics, social structures, formations, and stratification. Students will also be able to analyze coastal community institutions, conflicts among fishermen, poverty theories, and coastal resource management. Furthermore, students will develop the ability to critically assess the importance of studying coastal communities from a sociological perspective in order to support sustainable development in coastal areas.

Course Title : **Fishing Port Management**

Course Code : IIT1624422

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

Teaching about the role and function of fishing ports as a base for fishermen's activities in carrying out fishing operations and learning about various aspects of planning and management port

Expected Learning Outcomes:

Students will be able to analyze the basic definition of a port, the general conditions of a fishing port, port classification, fishing conditions, the strategic role of ports, port functions, basic and functional facilities, landing activities, management and marketing of fish.

Faculty of Fisheries and Marine Science
Bachelor of Fisheries Product Tecnology

Course Title : **Fish Handling Technology**

Course Code : IHP1624318

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

This course provides a comprehensive understanding of the principles and technologies for handling fish from the point of capture until arrival at the processing plant. It covers the biological changes in fish post-harvest, cooling techniques, onboard handling, transportation, and logistics to maintain optimum quality and minimize spoilage.

Expected Learning Outcomes:

Upon completion, students will be able to identify factors causing fish spoilage, apply appropriate handling techniques for different fish species, design a simple handling chain, and evaluate the effectiveness of handling practices in preserving fish quality.

Course Title : **Fermentation Technology**

Course Code : IHP1624323

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

This course explores the scientific principles and practical applications of fermentation in fisheries product processing. Students will learn about microbial cultures, fermentation processes for various traditional and modern fish products (e.g., fish sauce, fermented pastes), and the factors controlling fermentation for safety and quality.

Expected Learning Outcomes:

Students will be able to explain the role of microorganisms in fermentation, design fermentation processes for specific fisheries products, control critical parameters during fermentation, and assess the quality and safety of the final fermented products.

Faculty of Fisheries and Marine Science
Bachelor of Fisheries Product Tecnology

Course Title : **Product Diversification and Development**

Course Code : IHP1624325

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

This course focuses on the strategies and methodologies for creating new and value-added products from fisheries resources. It includes idea generation, market analysis, product formulation, prototyping, sensory evaluation, and feasibility study, fostering innovation and entrepreneurship.

Expected Learning Outcomes:

By the end of the course, students will be capable of generating innovative product ideas based on market needs, developing a prototype, conducting basic sensory analysis, and creating a simple business plan for a new fisheries product.

Course Title : **SDGs of Fisheries and Marine Development**

Course Code : IHP1624654

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course examines the role of the fisheries and marine sector in achieving the United Nations Sustainable Development Goals (SDGs). Topics include sustainable resource management, food security, climate action, life below water, and responsible consumption and production within the fisheries context.

Expected Learning Outcomes:

Students will be able to analyze the interactions between fisheries activities and the SDGs, propose strategies for sustainable fisheries development, and critically assess policies and practices against sustainability criteria.

Course Title : **Seafood Allergology**

Course Code : IHP1624766

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course delves into the science of seafood allergies, covering major allergens in fish and shellfish, immunological mechanisms, methods for allergen detection, regulatory requirements for labeling, and strategies for managing allergen risks in processing facilities.

Expected Learning Outcomes:

Upon completion, students will be able to identify major seafood allergens, understand the principles of allergen detection methods, implement allergen control plans (GMP) in a processing environment, and ensure compliance with labeling regulations to protect consumer health.

Bachelor of Law

Course Title : **Business Law**

Course Code : HIH1624303

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

Business Law provides an understanding that in business activities it is inseparable from conflicts of interest between producers and consumers which are regulated by law so that business activities can run regularly with due regard to aspects of administrative law, private law, and criminal law. In addition, the course of trade law also provides an understanding that in conducting business activities an entrepreneur cannot stand alone but needs to collaborate with other parties and must still have legality in conducting business activities. Various matters related to business activities, from the establishment of a company, the operation of the company to various forms of corporate assets, to the possibility of the worst possible occurrence in business activities, namely bankruptcy, is the knowledge that must be possessed in carrying out business activities.

Expected Learning Outcomes:

By the end of this course, students will be able to:

1. Demonstrate piety towards God Almighty and human values in applying business law in Indonesia.

2. Demonstrate social sensitivity and concern for society in business law practice in Indonesia.

3. Explain positive law related to Indonesian business law.

4. Explain Indonesian business law's sources, principles, and legal norms.

5. Discuss and compare the relationship between applicable business law and trade practices in Indonesia.

6. Demonstrate legal compliance and a responsible attitude in implementing applicable business law regulations in Indonesia.

Faculty of Law
Bachelor of Law

Course Title : **Law and Human Rights**

Course Code : HIH1624501

Credits : **3.2 ECTS**　　　　Type of Course:　Elective

Course Description :

This course discusses various aspects related to human rights, from the definition, concept, principles, theory, history of development, international and national legal instruments on human rights, as well as human rights monitoring mechanisms at the international level and mechanisms for protecting and enforcing human rights at the national level.

Expected Learning Outcomes:

By the end of this course, students will be able to:

1. Possess a strong sense of nationalism, love for the country, tolerance in social interactions, ability to work together, social sensitivity, and concern for society and the environment.

2. Master and understand theoretical concepts related to:

a. Characteristics, structure, and theories of human rights law;

b. Sources, principles, and norms of human rights law;

c. International and national legal systems related to human rights and their historical development.

3. Master and understand basic knowledge of positive law concerning human rights, both in international and national law.

4. Be able to formulate ideas logically, critically, and argumentatively in the field of law (human rights) and communicate them orally and/or in writing, specifically within the academic community, in accordance with academic ethics.

Course Title : **Philosophy of Law**

Course Code : HIH1624510

Credits : **3.2 ECTS** Type of Course: Elective

Course Description :

The Philosophy of Law course provides an understanding that, first of all, Philosophy of Law is a part of Philosophy that discusses, primarily, Law. Second, in its narrow meaning, Philosophy of Law studies the nature of law, which is manifested in various schools of Legal Philosophy; whereas, in its broad meaning, Philosophy of Law includes not only the Philosophy of Law itself which studies the nature of law but also Legal Theory which explores the relationship between humans and law, Law Science which discusses how to solve legal problems and Legal Practice which reviews the implementation of problem-solving. the law. Third, an inter-relative and comprehensive study of the nature of law, the relationship between humans and the law, how to solve legal problems, and the implementation of legal problem solving, is what is then called a Paradigmatic Study. Fourth, the focus of the Legal Philosophy Course for the Bachelor of Law Study Program is on the nature of law, which is supported by, first of all, human and legal relations, then by how to solve legal problems, and by the implementation of solving legal problems. In this context, the Philosophy of Law course discusses the meaning of philosophy; Philosophy coverage; the way of thinking Philosophy; definition of Legal Philosophy; Principles of Legal Philosophy; Philosophy of Law and the dynamics of legal thought; Paradigm / Paradigmatic Studies as a basis for new thinking in Philosophy of law; the meaning of Paradigm; Paradigm, Philosophy of Law, Legal Theory, Legal Studies, and Legal Practice; the contribution of Legal Practice, Legal Studies, Law Theory, Philosophy of Law, and Paradigmatic Studies for legal understanding; various definitions of Paradigm; Main Paradigm in Academic environment; Paradigm and school of philosophy of law, gradations of different paradigmatic schools of philosophy Law.

Expected Learning Outcomes:

Students can gain knowledge about Paradigms as a new basis for thinking in Philosophy of Law —especially the role of Paradigmatic Studies in analyzing the gradations of differences in various human and legal relationships that flow from the nature of each law which is manifested in various schools of Legal Philosophy— within the framework of the dynamics of thinking about how to resolve legal problems, including the implementation of resolving legal problems, which emerge in society.

Course Title : **Law of Treaties**
Course Code : HIH1624508
Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course discusses the principles and methods of making and implementing international agreements including the understanding and definition of Law of Treaties, the term Law of Treaties, Law of Treaties Legal Resources, Law of Treaties Classification, Law of Treaties Making Process and Formal Elements of Law of Treaties Manuscripts, Binding to Law of Treaties, Law of Treaties Ratification, Law of Treaties Reservation, Amendment of Law of Treaties, Interpretation of Law of Treaties, Implementation of Law of Treaties, Start and End of Law of Treaties, Law of Treaties by Local Government, Characteristics of Law of Treaties Hard Law and Soft Law and practices of making and implementing international agreements.

Expected Learning Outcomes:

By the end of this course, students will be able to:

1. Understand agreements, their elements, principles, validity requirements, and termination.
2. Understand – Construct an understanding of the meaning, types, and functions of written agreements, and understand the anatomy of written agreements.
3. Apply – Including the ability to draft agreements.

Course Title : **International Law of The Sea**
Course Code : HIH1624507
Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course discusses several aspects related to the rights and obligations of states in maritime areas as areas regulated by public international law based on UNCLOS (United Nations Convention on the Law of the Sea) 1982. Its scope includes various legal regimes in maritime areas, starting from inland waters, territorial seas, baselines, additional zones, exclusive economic zones, continental shelves, high seas, regions, archipelagic states and archipelagic waters, marine scientific research and disputes in the field of maritime law through ITLOS (International Tribunal for the Law of the Sea) and ICJ (International Court of Justice).

Expected Learning Outcomes:

1. Able to explain and analyze the theory and concept of international maritime law and its implementation in national law;
2. Able to analyze and identify (C4) the implementation of UNCLOS 1982 in Indonesia and the concept of an archipelagic state;
3. Able to describe and analyze (C4) various cases related to international maritime law, for example, disputes over state boundaries at sea and Illegal, unreported and unregulated (IUU) fishing.

Course Title : **Food Product Development**

Course Code : PPP-401

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description   :

This course covers the principles, methods, and strategies in food product development, starting from consumer needs identification, formulation, sensory evaluation, to commercialization. Students will learn about innovation, safety, quality, and regulations in creating competitive and marketable food products.

Expected Learning Outcomes:
Explain the fundamental concepts of food product development.
Design new food formulations based on market needs and trends.
Conduct sensory and physicochemical tests to evaluate food products.
Develop food product prototypes considering nutrition, quality, and safety aspects.

Course Title : **Science and Technology of Bread**

Course Code : PPP-408P

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description   :

This course explores the science and technology of bread making, including raw material characteristics, fermentation processes, processing techniques, and innovations in modern bakery products. Students will understand how ingredients and processes affect bread texture, flavor, shelf life, and quality.

Expected Learning Outcomes:
Describe the functions and roles of raw materials in bread making.
Apply bread-making techniques with various fermentation methods.
Analyze factors influencing bread quality.
Develop innovative bread products tailored to consumer demands.

Course Title : **Science and Technology of Meat**

Course Code : PPP-409P

Credits : **4.8 ECTS**　　　　Type of Course: Elective

Course Description :

This course discusses the science and technology of meat processing, including composition, physicochemical properties, processing methods, and development of meat-based products. Students will also study food safety, quality issues, and technological innovations in the meat industry.

Expected Learning Outcomes:

Explain the composition, structure, and fundamental properties of meat.
Identify chemical and physical changes in meat during storage and processing.
Apply basic and advanced techniques for meat product processing.
Design innovative meat products while considering quality and safety aspects.

Course Title : **Science and Technology of Milk**

Course Code : PPP-408P

Credits : **6.4 ECTS**　　　　Type of Course: Elective

Course Description :

This course examines the science and technology of milk processing, covering composition, characteristics, preservation methods, processing techniques, and dairy product development. Students will also learn about quality control, safety, and innovative technologies in the dairy industry.

Expected Learning Outcomes:

Explain the composition, physicochemical properties, and nutritional value of milk.
Identify preservation and processing methods for milk and dairy products.
Analyze quality and safety issues in dairy products.
Develop innovative dairy products that meet consumer and market needs.

Course Title : **Science and Technology of Meat**

Course Code : PPP-409P

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course discusses the science and technology of meat processing, including composition, physicochemical properties, processing methods, and development of meat-based products. Students will also study food safety, quality issues, and technological innovations in the meat industry.

Expected Learning Outcomes:

Explain the composition, structure, and fundamental properties of meat.
Identify chemical and physical changes in meat during storage and processing.
Apply basic and advanced techniques for meat product processing.
Design innovative meat products while considering quality and safety aspects.

Course Title : **Science and Technology of Milk**

Course Code : PPP-408P

Credits : **6.4 ECTS**   Type of Course: Elective

Course Description :

This course examines the science and technology of milk processing, covering composition, characteristics, preservation methods, processing techniques, and dairy product development. Students will also learn about quality control, safety, and innovative technologies in the dairy industry.

Expected Learning Outcomes:

Explain the composition, physicochemical properties, and nutritional value of milk.
Identify preservation and processing methods for milk and dairy products.
Analyze quality and safety issues in dairy products.
Develop innovative dairy products that meet consumer and market needs.

Course Title : **Molecular Nutrition**

Course Code : DIG-1824101

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course includes studies on molecular relationship between nutrients and gene responses; how changes in these elements affect human health.

Expected Learning Outcomes:

Able to analyze (C-4) the molecular relationship between nutrients and gene responses; how changes in these elements affect human health.

Course Title : **Molecular Nutrition (Practical)**

Course Code : DIG-1824102

Credits : **1.6 ECTS**   Type of Course: Mandatory

Course Description :

This practical includes studies on molecular relationship between nutrients and gene responses; how changes in these elements affect human health using current updated protocol including Bradford/Lowry, SDS, PAGE, ELISA

Expected Learning Outcomes:

Able to analyze (C-4) the molecular relationship between nutrients and gene responses; how changes in these elements affect human health using current updated protocol including Bradford/Lowry, SDS, PAGE, ELISA

Faculty of Medicine
Master of Nutrition Science

Course Title : **Advanced Nutrition**

Course Code : DIG-1824103

Credits : **6.4 ECTS**   Type of Course: Mandatory

Course Description   :

This course includes studies on nutrient requirements according to the latest developments in nutritional science; interactions between nutrients, between nutrients and bioactive components; effects of nutrients/food components on gene responses and issues and controversies related to nutrients.

Expected Learning Outcomes:

Able to provide and defend opinions (C5) on nutrient requirements according to the latest developments in nutritional science; interactions between nutrients, between nutrients and bioactive components; effects of nutrients/food components on gene responses and issues and controversies related to nutrients; and actively participate (A-2) in certain phenomena and react to them.

Course Title : **Nutrition Research Development**

Course Code : DIG-1824104

Credits : **6.4 ECTS**   Type of Course: Mandatory

Course Description   :

This course include instruction to compose problem formulation, literature review, theoretical framework and conceptual framework, sampling methods, instrumentation, and data management.

Expected Learning Outcomes:

Students are able to design (C6) research by preparing (P4) a research proposal starting from problem formulation, literature review, theoretical framework and conceptual framework, sampling methods, instrumentation, and data management.

Faculty of Medicine
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Course Title : **Nutrition Promotion***
Course Code : DIG-1824106
Credits : **4.8 ECTS**

Type of Course: for community nutrition concentration

Course Description :

This course discusses the concepts, principles, and effective steps in developing, implementing, monitoring, and evaluating promotional activities (promotion for individuals, families, and communities, organizational promotion) in the field of nutrition and health.

Expected Learning Outcomes:

Student are able to design and develop (C6) methods, technologies, promotional materials, and nutrition services at the individual, family, and community levels; able to develop (P4) and carry out (A2) communication, information, and education (KIE) on nutrition.

Course Title : **Nutrition Policy and Program Planning***
Course Code : DIG-1824107
Credits : **6.4 ECTS**

Type of Course: for community nutrition concentration

Course Description :

Students form groups consisting of 3 students each. Each group takes a case from a Community Health Center (Puskesmas) and discusses it in terms of Planning, Monitoring, and Evaluation, Situation Analysis/Assessment, Identifying Problem Causes, SWOT Analysis and Problem Prioritization, Program Implementation, Program Monitoring, and Program Evaluation. Each group presents the results of their small group discussions, and the reports are collected (project-based learning).

Expected Learning Outcomes:

Students are able to explain (C2), respond to (A2), and implement (P2) Nutrition Policy and Program Planning.

Course Title : **Nutrition and Dietetics****
Course Code : DIG-1824108
Credits : **6.4 ECTS**

Type of Course: for clinical nutrition concentration

Course Description :

Nutrition and Dietetics includes material on the basic concepts of the pathophysiology of diseases related to nutritional problems, followed by the analysis of nutrition therapy and leadership management within the Nutrition Care Team.

Expected Learning Outcomes:

1. Students are able to interpret nutrition therapy as a form of personalized nutrition.
2. Students are able to analyze the pathophysiology of degenerative diseases with nutritional problems using a molecular approach.
3. Students are able to analyze and evaluate nutrition therapy for various diseases using a molecular approach.
4. Students are able to analyze and design educational and counseling methods for patients in a personalized manner for various diseases.
5. Students are able to evaluate and manage the application of leadership in nutrition therapy.

Master of Nutrition Science

Course Title : **Hospital Malnutrition****

Course Code : DIG-1824109

Credits : **4.8 ECTS**

Type of Course: for clinical nutrition concentration

Course Description :

This course delves into the critical issue of malnutrition in hospital settings, providing students with the knowledge and skills necessary to identify, prevent, and manage malnutrition among hospitalized patients. The course covers the following key areas:
Understanding Malnutrition: Definitions, types, and causes of malnutrition, including undernutrition and micronutrient deficiencies, with a focus on the hospital environment.
Assessment and Screening: Techniques for assessing nutritional status and screening for malnutrition risk, including the use of validated tools and methods.
Pathophysiology of Malnutrition: Exploration of the physiological and metabolic changes associated with malnutrition and its impact on patient outcomes.
Nutrition Intervention Strategies: Development and implementation of nutrition intervention plans tailored to the needs of malnourished patients, including dietary modifications, supplementation, and the use of enteral and parenteral nutrition.

Expected Learning Outcomes:

1. Define and Describe Malnutrition: Clearly define malnutrition and describe its types, causes, and prevalence in hospital settings.
2. Conduct Nutritional Assessments: Perform comprehensive nutritional assessments and screenings to identify patients at risk of malnutrition using validated tools and methods.
3. Understand Pathophysiology: Explain the physiological and metabolic changes associated with malnutrition and their impact on patient health and recovery.
4. Develop Nutrition Intervention Plans: Design and implement effective nutrition intervention plans tailored to the specific needs of malnourished patients, including dietary modifications, supplementation, and the use of enteral and parenteral nutrition.

Course Title : **Philosophy of Science and Research Methodology**

Course Code : CIL1924101

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course explores the philosophical foundations of science and their implications for research methodology. It covers different paradigms of knowledge, epistemological debates, and methodological approaches relevant to interdisciplinary research in environmental studies.

Expected Learning Outcomes:

By the end of this course, students are expected to demonstrate a deep understanding of the philosophical perspectives underpinning scientific inquiry, critically evaluate various research paradigms, and design coherent research frameworks. They will also be able to apply appropriate methodological tools to conduct rigorous research in the environmental sciences.

Course Title : **Ecology and Global Environmental Change**

Course Code : CIL1924102

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides an advanced understanding of ecological principles and their relevance to global environmental change. Topics include ecosystem dynamics, biodiversity, climate change, and the impact of human activities on ecological systems

Expected Learning Outcomes:

Explain the composition, physicochemical properties, and nutritional value of milk. Identify preservation and processing methods for milk and dairy products.

Students are expected to be able to explain fundamental ecological concepts, analyze the effects of climate change and anthropogenic activities on ecosystems, and integrate ecological knowledge into strategies for sustainability. They will also acquire the ability to interpret ecological data and propose solutions for managing environmental challenges products.

Develop innovative dairy products that meet consumer and market needs.

Course Title : **Systems Analysis and Environmental Modeling**

Course Code : CIL1924103

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course introduces systems thinking and modeling techniques to analyze complex environmental issues. Emphasis is placed on developing models to simulate environmental processes and support evidence-based decision-making

Expected Learning Outcomes:

Students are expected to apply systems analysis to conceptualize environmental problems, construct and interpret models, and critically evaluate the applicability of different modeling approaches. By completing the course, they will be able to utilize models as effective tools for research, planning, and policy development.

Course Title : **Scientific Writing**

Course Code : CIL1924104

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course focuses on the principles and practices of scientific and academic writing. It emphasizes clarity, structure, and logical argumentation for producing scholarly work.

Expected Learning Outcomes:

Students are expected to develop advanced skills in drafting, revising, and finalizing scientific manuscripts according to international standards. They will gain the ability to communicate research findings effectively and prepare manuscripts suitable for submission to reputable journals.

Course Title : **Environmental Research 1**

Course Code : CIL1924201

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course represents the initial stage of dissertation research, where students develop their research framework, collect preliminary data, and refine their research design.

Expected Learning Outcomes:

Students are expected to demonstrate the ability to independently design and implement a rigorous research plan in environmental science. They will develop critical skills in data collection, literature review, and research design, laying a strong foundation for their dissertation work.

Course Title : **Dissertation Proposal**

Course Code : CIL1924202

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course involves the preparation, presentation, and defense of a dissertation proposal. Students formulate research objectives, methodologies, and expected contributions of their study.

Expected Learning Outcomes:

Students are expected to demonstrate the ability to construct a comprehensive and feasible dissertation proposal, justify their methodological choices, and articulate the relevance of their study to the field of environmental science. They should be able to communicate their ideas clearly and defend their proposal before an academic audience.

Course Title : **Environmental Research 2**

Course Code : CIL1924301

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course is a continuation of Environmental Research 1, focusing on data collection, analysis, and interpretation as part of the dissertation process.

Expected Learning Outcomes:

Students are expected to strengthen their research competencies by conducting advanced data analysis and synthesizing results in alignment with their dissertation objectives. They will be able to draw valid conclusions from their findings and demonstrate intellectual independence in their research

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Course Title : **Scientific Publication 1**

Course Code : CIL1924302

Credits : **19.2 ECTS**   Type of Course: Mandatory

Course Description :

This course requires students to prepare and submit a scientific paper for publication in an accredited national or international journal, based on their dissertation research.

Expected Learning Outcomes:

Students are expected to demonstrate the ability to write, revise, and finalize a scientific paper that meets publication standards. They will acquire practical experience in navigating the peer-review process and contribute to scholarly discourse in environmental science.

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Course Title : **Research Results Seminar**

Course Code : CIL1924501

Credits : **9.6 ECTS**　　　　Type of Course:　Mandatory

Course Description :

This course provides a platform for doctoral students to present and discuss the progress of their research with peers and academic staff. It emphasizes constructive feedback, critical discussion, and improvement of ongoing dissertation work

Expected Learning Outcomes:

Students are expected to demonstrate the ability to present their research findings clearly and critically, respond to academic feedback, and integrate constructive input into their work. They will strengthen their skills in academic communication and scholarly debate.

Course Title : **Eligibility Exam**

Course Code : CIL1924502

Credits : **9.6 ECTS**　　　　Type of Course:　Mandatory

Course Description :

This course serves as a comprehensive examination to assess students' readiness to proceed with their doctoral research. The exam evaluates mastery of core concepts, research design, and the ability to integrate knowledge across environmental science disciplines.

Expected Learning Outcomes:

Students are expected to demonstrate a comprehensive understanding of theoretical and methodological foundations in environmental science. Successful completion of the exam reflects their readiness to undertake independent research at the doctoral level.

Course Title : **Environmental Planning**

Course Code : CIL1924203

Credits : **4.8 ECTS**　　　　Type of Course:　Mandatory

Course Description :

This course introduces principles, methods, and practices of environmental planning, with emphasis on sustainable development and spatial strategies for managing natural resources and urban systems.

Expected Learning Outcomes:

Students are expected to acquire the ability to analyze environmental planning issues, evaluate policy and regulatory frameworks, and design planning strategies that balance development needs with ecological sustainability.

Course Title : **Philosophy of Science and Research Methodology**

Course Code : P-CIL-8-101

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course explores theories and practices in environmental planning, with an emphasis on integrating ecological, social, and economic perspectives into sustainable land use and resource management. Students will examine planning instruments, regulatory frameworks, and case studies of urban and regional environmental planning

Expected Learning Outcomes:

By the end of this course, students will be able to analyze current trends and challenges in international business, evaluate the impact of globalization on business operations and strategies, and present research on emerging global business topics. They will develop critical thinking skills through discussing case studies and real-world scenarios, while also collaborating effectively in teams to solve complex business problems.

Course Title : **Environmental Economics and Natural Resources**

Course Code : P-CIL-8-102

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides an overview of economic theories and their application to environmental and natural resource management. It covers concepts such as market failure, externalities, valuation of natural resources, cost–benefit analysis, and policy instruments for sustainable resource use. Case studies are used to examine how economic tools can be applied to balance development and conservation

Expected Learning Outcomes:

By the end of the course, students are expected to be able to analyze environmental and resource management problems using economic frameworks, evaluate the effectiveness of policy instruments, and apply economic valuation methods to inform sustainable decision-making in both local and global contexts.

Course Title : **Environmental Statistics**

Course Code : P-CIL-8-103

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

This course introduces statistical methods for analyzing environmental data. Topics include descriptive statistics, probability distributions, hypothesis testing, correlation, regression analysis, and multivariate techniques relevant to environmental studies. Practical sessions emphasize data processing, interpretation, and application using statistical software.

Expected Learning Outcomes:

Upon completion, students are expected to demonstrate the ability to select and apply appropriate statistical methods to environmental datasets, interpret statistical outputs correctly, and use statistical reasoning to support environmental research and decision-making.

Course Title : **Ecology and Environmental Science**

Course Code : P-CIL-8-104

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course examines ecological principles and their application to understanding environmental systems. It covers ecosystem structure and function, energy flow, nutrient cycling, population dynamics, community interactions, and human impacts on ecological processes. Case studies highlight the relevance of ecology to environmental management and conservation.

Expected Learning Outcomes:

By the end of the course, students are expected to understand fundamental ecological processes, analyze the interactions between natural and human systems, and apply ecological knowledge to propose solutions for environmental management and sustainable development.

Master of Environmental Sciences

Course Title : **Computer Applications and Environmental Modeling**

Course Code : P-CIL-8-105

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides training in computer-based applications and modeling techniques for analyzing environmental systems. It introduces software tools for data management, spatial analysis, and environmental modeling, including applications of Geographic Information Systems (GIS) and simulation models.

Expected Learning Outcomes:

Students completing this course are expected to acquire the ability to use computer applications to process and analyze environmental data, build simple models to simulate environmental processes, and interpret model outputs to support planning and policy-making in environmental science.

Course Title : **Capita Selecta**

Course Code : P-CIL-8-301

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

This course provides students with the opportunity to study selected contemporary topics in environmental science that are relevant to their research interests. The content may vary each semester, focusing on emerging issues, new theories, or innovative approaches to environmental problem-solving.

Expected Learning Outcomes:

Students are expected to broaden their knowledge in specialized areas of environmental science, critically engage with recent research developments, and integrate advanced concepts into their thesis or professional practice.

Course Title : **Job Training**

Course Code : P-CIL-8-302

Credits : **1.6 ECTS**

Type of Course: Mandatory

Course Description :

This course requires students to undertake practical training or internships in institutions, industries, or government agencies engaged in environmental management, research, or policy. The training aims to bridge academic learning with professional experience.

Expected Learning Outcomes:

By completing this course, students are expected to gain hands-on experience in environmental practice, apply theoretical knowledge to real-world problems, and develop professional competencies relevant to careers in environmental science

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Course Title : **Thesis Proposal**

Course Code : P-CIL-8-303

Credits : **3.2 ECTS**

Type of Course: Mandatory

Course Description :

This course guides students in preparing and presenting their thesis research proposal. It includes problem formulation, literature review, research objectives, methodology design, and proposal defense.

Expected Learning Outcomes:

Students will be able to construct a comprehensive research proposal, demonstrate the ability to formulate relevant scientific questions, and design appropriate research methodologies to address environmental issues.

Course Title : **Seminar and Thesis Publication**

Course Code : P-CIL-8-304

Credits : **3.2 ECTS**

Type of Course: Mandatory

Course Description :

This course involves the presentation and discussion of thesis research results in seminar forums and the preparation of manuscripts for publication in academic journals. It emphasizes scientific communication, critical peer feedback, and research dissemination.

Expected Learning Outcomes:

Students are expected to present their research findings effectively, respond constructively to scholarly feedback, and produce publishable-quality manuscripts that contribute to environmental science knowledge.

Course Title : **Research Methodology in Information Systems**

Course Code : CSI1924101

Credits : **6.4 ECTS**　　　　　　Type of Course: Mandatory

Course Description :

This course introduces students to scientific research methods in information systems, covering research design, data collection techniques, analysis methods, and academic writing. Students will learn how to construct valid research frameworks and apply them in real cases.

Expected Learning Outcomes:

Students are able to design and implement systematic research in information systems, apply appropriate qualitative and quantitative methods, critically review literature, and prepare academically sound proposals

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Course Title : **Trends in Information Systems**

Course Code : CSI1924102

Credits : **6.4 ECTS**　　　　　　Type of Course: Mandatory

Course Description :

This course explores emerging trends, innovations, and challenges in the field of information systems, including digital platforms, disruptive technologies, and societal impacts.

Expected Learning Outcomes:

Students are able to identify, analyze, and evaluate current and emerging issues in information systems, including disruptive innovations and their organizational and societal impacts

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Course Title : **Data Science for Business**

Course Code : CSI1924103

Credits : **6.4 ECTS**　　　　　　Type of Course: Mandatory

Course Description :

This course introduces data science concepts, techniques, and tools to support business decision-making. Topics include data analysis, visualization, predictive modeling, and machine learning applications.

Expected Learning Outcomes:

Students are able to apply data analysis and modeling techniques to extract insights, solve business problems, and support evidence-based decision-making.

Course Title : **Dissertation Proposal Examination**

Course Code : CSI1924301

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course assesses the student's ability to develop and defend a dissertation proposal, including research background, methodology, and expected contributions.

Expected Learning Outcomes:

Students are able to prepare and defend a structured research proposal that demonstrates originality, methodological soundness, and academic contribution

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Course Title : **Information Systems Research II**

Course Code : CSI1924302

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course emphasizes data collection, analysis, and interpretation for dissertation research.

Expected Learning Outcomes:

Students are able to conduct systematic data collection and analysis, interpret results, and link findings to theoretical frameworks and practical applications.

Course Title : **Publication I**

Course Code : CSI1924303

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course requires students to prepare and submit a scientific article based on their research for a reputable journal or conference.

Expected Learning Outcomes:

Students are able to produce a scientific manuscript from their research and submit it to academic journals or conferences.

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Course Title : **Publication II**

Course Code : CSI1924501

Credits : **19.2 ECTS**　　　　　Type of Course: Mandatory

Course Description :

This course requires students to publish research outcomes in international journals or conferences with higher reputations (Scopus indexed).

Expected Learning Outcomes:

Students are able to publish high-quality academic work in reputable or indexed outlets, demonstrating scholarly contribution.

Course Title : **Dissertation Feasibility**

Course Code : CSI1924502

Credits : **9.6 ECTS**　　　　　Type of Course: Mandatory

Course Description :

This course assesses the feasibility of completing the dissertation, focusing on completeness of research, quality of analysis, and readiness for defense.

Expected Learning Outcomes:

Students are able to critically evaluate the readiness, completeness, and coherence of their dissertation for final defense.

Course Title : **Research Methodology**

Course Code : CEN1924101

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides advanced perspectives on research methodology tailored for doctoral-level inquiry in energy studies. It emphasizes the philosophy of science, epistemological foundations, and the design of complex interdisciplinary research. Students are encouraged to critically assess existing research paradigms, construct robust methodological frameworks, and integrate both qualitative and quantitative approaches to address energy-related challenges.).

Expected Learning Outcomes:

Upon completion, students are able to critically evaluate methodological approaches, design original research projects with theoretical and practical contributions, apply advanced data analysis techniques, and articulate research findings that expand the frontier of energy scholarship.

Course Title : **Data Collection and Processing Techniques**

Course Code : CEN1924102

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course equips doctoral students with advanced competencies in both data collection and data processing techniques for energy research. It covers the design and implementation of quantitative and qualitative data collection strategies, including surveys, interviews, field measurements, and sensor-based acquisition. Students also learn advanced data processing methods such as cleaning, transformation, coding, statistical preprocessing, and the use of computational tools, big data platforms, and machine learning algorithms. The course emphasizes methodological rigor, ethical considerations, and innovation in managing complex and large-scale datasets within interdisciplinary energy studies.

Expected Learning Outcomes:

Upon completion, students will be able to design and implement sophisticated data collection strategies, process and manage diverse types of data with advanced computational tools, critically evaluate the validity and reliability of research data, and contribute innovative methodological approaches that enhance the quality and originality of doctoral research in the energy field.

Course Title : **Research**

Course Code : CEN1924301

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course provides doctoral students with the opportunity to conduct independent, supervised research in the field of energy. It emphasizes originality, methodological rigor, and scholarly contribution. Students are expected to identify critical research problems, design and implement advanced methodologies, collect and analyze data, and synthesize findings into meaningful contributions to theory, policy, or practice in energy studies. The course also emphasizes interdisciplinary perspectives and the integration of sustainability principles. Research progress is regularly evaluated through presentations, progress reports, and discussions with supervisors.

Expected Learning Outcomes:

Upon completion, students will be able to conduct independent and original research that advances the frontier of knowledge in energy, demonstrate mastery of research design and execution, produce scientifically rigorous findings, and lay the foundation for high-quality publications and the doctoral dissertation.

Course Title : **Publication I**

Course Code : CEN1924302

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course is designed to strengthen doctoral students' ability to publish their research in reputable scientific journals, particularly those indexed internationally. It covers the full publication process, from identifying suitable journals, preparing manuscripts that align with journal scope and standards, addressing reviewer comments, to navigating the peer-review process. The course emphasizes originality, academic integrity, clarity of communication, and contribution to the global discourse in energy studies. Students are expected to submit at least one manuscript to an accredited journal as part of the course requirements.

Expected Learning Outcomes:

By completing this course, students will be able to transform their research findings into publishable manuscripts, demonstrate the ability to engage with peer-review processes, adhere to ethical standards in academic publishing, and successfully contribute original scholarly work to high-impact journals in the field of energy.

Doctor of Energy

Course Title : **Research Seminar**

Course Code : CEN1924501

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course provides doctoral students with an academic forum to present and defend the findings of their dissertation research. The seminar emphasizes scholarly communication, critical discussion, and constructive peer and faculty feedback. Students are required to deliver a comprehensive presentation of their research progress, including theoretical frameworks, methodologies, results, and preliminary conclusions. The course serves as an essential checkpoint before the final dissertation defense, ensuring the quality, originality, and contribution of the research to the field of energy.

Expected Learning Outcomes:

By completing this course, students will be able to present their research findings in a structured and scholarly manner, respond effectively to academic critiques, integrate feedback to improve the quality of their dissertation, and demonstrate readiness for the final defense at the doctoral level.

Course Title : **Qualification Seminar**

Course Code : CEN1924502

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course serves as an academic assessment stage in which doctoral students present their proposed dissertation research plan to an examination committee. The seminar evaluates the feasibility, originality, and significance of the research, as well as the student's mastery of relevant theories and methodologies. It ensures that the proposed research aligns with academic standards, has scientific and practical relevance, and can be completed within the doctoral study period. Students must defend the novelty, objectives, research framework, and methodological approach of their dissertation.

Expected Learning Outcomes:

Upon completing this course, students are able to formulate a scientifically rigorous and feasible dissertation plan, demonstrate in-depth mastery of the theoretical and methodological foundations, defend the novelty and significance of their proposed research, and receive formal approval to proceed with full dissertation research.

Course Title : **Design Thinking in Energy**

Course Code : CEN1924103

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course introduces the principles of design thinking and their application in addressing energy-related challenges. Students learn creative problem-solving, prototyping, and user-centered design approaches to develop innovative energy solutions.

Expected Learning Outcomes:

Students are able to apply design thinking methods to energy problems, generate innovative ideas, and evaluate the feasibility of energy-related solutions.

Course Title : **Energy Regulation and Policy**

Course Code : CEN1924104

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course examines the legal, institutional, and policy frameworks that govern the energy sector. It covers international, national, and local energy regulations, with emphasis on sustainable development and energy security.

Expected Learning Outcomes:

Students are able to analyze energy policies critically, evaluate their socio-economic and environmental impacts, and propose recommendations for improved governance.

Course Title : **Statistics, Modeling, and Energy System Design**

Course Code : CEN1924105

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course provides advanced knowledge of statistical methods, computational modeling, and design of energy systems. It emphasizes quantitative analysis for planning, optimization, and performance assessment.

Expected Learning Outcomes:

Students are able to design and model energy systems using statistical and computational tools, interpret results accurately, and integrate them into energy decision-making.

Course Title : **Energy System Design and Planning**

Course Code : CEN1924106

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course discusses principles, methods, and tools for energy system design and planning, including load forecasting, technology selection, and system integration

Expected Learning Outcomes:

Students are able to design sustainable and efficient energy systems, plan for long-term energy needs, and evaluate alternative scenarios.

Course Title : **Global Energy Transition and Decarbonization**

Course Code : CEN1924107

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course explores the global transition toward sustainable energy, focusing on decarbonization strategies, international agreements, and policy frameworks.

Expected Learning Outcomes:

Students are able to analyze global energy transition trends, evaluate decarbonization pathways, and develop strategies for national and regional contexts.

Course Title : **Energy Storage and Battery Technologies**

Course Code : CEN1924108

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course reviews storage technologies for renewable energy integration, including advanced batteries, thermal storage, and other innovative methods.

Expected Learning Outcomes:

Students are able to evaluate and design energy storage solutions, analyze their efficiency, and integrate them into energy systems.

Course Title : **Fuel Cell Technology**

Course Code : CEN1924109

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

This course focuses on the principles, design, and applications of fuel cell technologies as alternative clean energy sources.

Expected Learning Outcomes:

Students are able to explain fuel cell mechanisms, assess their performance, and propose applications in energy systems.

Course Title : **Hydrogen Energy**

Course Code : CEN1924110

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

This course provides comprehensive knowledge of hydrogen production, storage, distribution, and utilization as a clean energy carrier.

Expected Learning Outcomes:

Students are able to assess hydrogen's role in energy transition, evaluate production methods, and integrate hydrogen technologies into energy systems

Course Title : **Advanced Materials for Energy**

Course Code : CEN1924111

Credits : **4.8 ECTS**

Type of Course: Elective

Course Description :

This course introduces advanced materials used in energy conversion, storage, and efficiency improvement, such as nanomaterials, composites, and smart materials.

Expected Learning Outcomes:

Students are able to analyze the role of advanced materials in energy technologies, design material-based innovations, and assess performance impacts.

Course Title : **Energy Business and Market**

Course Code : CEN1924112

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course examines energy markets, business models, and investment strategies in the energy sector. It highlights market liberalization, pricing mechanisms, and financial risks

Expected Learning Outcomes:

Students are able to analyze energy markets, develop business strategies, and evaluate investment opportunities in the energy industry.

Course Title : **Research Methodology**

Course Code : CEN1824101

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course introduces students to research paradigms, methodologies, and techniques commonly used in energy studies. It emphasizes the ability to design a research framework, collect and analyze data, and present findings systematically. The course also highlights academic integrity and scientific writing for publication.

Expected Learning Outcomes:

By completing this course, students are expected to demonstrate the ability to formulate research problems, design appropriate methodologies, conduct data analysis, and produce academically sound proposals that contribute to the field of energy studies

Course Title : **Sustainable Energy**

Course Code : CEN1824102

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course explores the principles and practices of sustainable energy, focusing on renewable energy resources, energy efficiency, and the environmental impact of energy systems. It provides a foundation for evaluating technologies and strategies that support sustainable development goals.

Expected Learning Outcomes:

Upon completing this course, students are able to critically evaluate sustainable energy systems, propose innovative solutions for energy challenges, and assess the environmental, social, and economic implications of energy technologies.

Course Title : **IoT in Energy Systems**

Course Code : CEN1824103

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course examines the role of the Internet of Things (IoT) in modern energy systems, including smart grids, energy monitoring, and predictive maintenance. It combines technical knowledge with applied case studies to show how IoT can optimize energy usage.

Expected Learning Outcomes:

Students are expected to apply IoT concepts and tools in designing smart energy systems, analyze data for optimization, and evaluate the effectiveness of IoT-based solutions in energy management.

Course Title : **Primary Energy Resources**

Course Code : CEN1824104

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course discusses the availability, exploration, and utilization of primary energy resources such as fossil fuels, nuclear, and renewables. It addresses both technical and policy aspects of energy resource management.

Expected Learning Outcomes:

Students will be able to identify and analyze the potential of various primary energy sources, evaluate their sustainability, and assess strategies for efficient and responsible utilization.

Course Title : **Energy Conversion and Power Systems**

Course Code : CEN1824105

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course focuses on the principles and technologies of energy conversion and power generation systems. It covers conventional and renewable power generation technologies, thermodynamics, and system integration.

Expected Learning Outcomes:

Students will be able to explain and analyze the processes of energy conversion, design efficient power generation systems, and evaluate their performance from both technical and environmental perspectives

Course Title : **Statistics and Computer Applications**

Course Code : CEN1824106

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description   :

This course provides knowledge and skills in applying statistical methods and computer-based tools for data analysis in energy research. Topics include regression, hypothesis testing, and the use of software for modeling and simulation.

Expected Learning Outcomes:

Students are expected to apply statistical methods to energy-related datasets, interpret results accurately, and utilize computer applications effectively in research and decision-making.

Course Title : **Scientific Publication**

Course Code : CEN1824301

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description   :

This course emphasizes the development of scientific writing skills and the process of publishing academic work in reputable journals or conferences. Students learn to structure manuscripts, apply appropriate referencing styles, respond to peer review, and ensure ethical standards in publication. The focus is on transforming thesis-related research into publishable articles that contribute to the advancement of knowledge in energy studies.

Expected Learning Outcomes:

Upon completing this course, students are expected to demonstrate the ability to prepare and submit high-quality scientific papers, communicate research findings effectively to the academic community, and contribute to scholarly discourse in the field of energy.

Course Title : **Thesis Research**

Course Code : CEN1824302

Credits : **9.6 ECTS**

Type of Course: Mandatory

Course Description :

This course represents an advanced stage of thesis research where students implement their research design in full scale. It involves systematic data collection, in-depth analysis, and the formulation of key findings. Supervision ensures that students maintain methodological rigor and align their research outcomes with both theoretical frameworks and practical applications in the energy sector.

Expected Learning Outcomes:

By the end of this course, students are able to conduct independent and original research, critically interpret data, develop comprehensive conclusions, and demonstrate how their work contributes to solving complex issues in energy systems and sustainability.

Course Title : **Research Methods in Information Systems**

Course Code : –

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course introduces students to the fundamental principles, methodologies, and techniques of conducting research in the field of Information Systems. It covers the philosophical foundations of research, formulation of research problems, literature review, research design, data collection and analysis methods (both qualitative and quantitative), and ethical considerations. Students will be trained to identify research gaps, develop research proposals, and select appropriate research methodologies aligned with organizational and information systems contexts. The course also emphasizes the development of academic writing and critical thinking skills to support scientific publication and thesis preparation

Expected Learning Outcomes:

Students will be able to design and conduct scientific research in information systems using appropriate research methodologies, analyze research findings critically, and present results in academic writing.

Course Title : **Information Systems Analysis and Design**

Course Code : –

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides an in-depth understanding of the principles, methodologies, and practices of analyzing and designing information systems that align with organizational goals. Students will learn to identify user requirements, model business processes and data, and design system architectures using appropriate modeling tools and methodologies such as Object-Oriented Analysis and Agile approaches. The course emphasizes stakeholder communication, ethical considerations, and the importance of continuous learning to stay updated with evolving system development technologies.

Expected Learning Outcomes:

Students will be able to analyze business requirements, model information systems, and design solutions that align with organizational needs and technological advancements.

Course Title : **Enterprise Resource Planning (ERP)**

Course Code : –

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides students with comprehensive knowledge and practical skills related to Enterprise Resource Planning (ERP) systems as integrated information systems supporting core business processes. The course covers ERP concepts, architecture, modules (finance, logistics, human resources, etc.), and implementation methodologies. Students will learn how ERP systems facilitate data integration, support organizational decision-making, and align with business strategies. Emphasis is placed on business process analysis, configuration of ERP modules (e.g., using SAP or Odoo), change management, and ERP implementation challenges. Case studies and hands-on projects provide students with real-world insights into ERP applications.

Expected Learning Outcomes:

Students will be able to understand ERP concepts, configure ERP modules, and evaluate the role of ERP in improving business integration and decision-making.

Course Title : **Selective Topics of Information systems**

Course Code : –

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course explores current and emerging topics in the field of Information Systems (IS), including recent advances, trends, and innovations that have strategic and operational impacts on organizations. The course is designed to provide students with the ability to critically analyze and evaluate contemporary issues such as digital transformation, enterprise innovation, data governance, artificial intelligence in IS, sustainable IT practices, cybersecurity, and ethical implications of IS implementations. Topics may vary each semester based on industry trends and research developments. Through this course, students engage in case studies, research papers, expert talks, and collaborative discussions to strengthen their ability to apply theoretical concepts to real-world IS problems.odel business processes and data, and design system architectures using appropriate modeling tools and methodologies such as Object-Oriented Analysis and Agile approaches. The course emphasizes stakeholder communication, ethical considerations, and the importance of continuous learning to stay updated with evolving system development technologies.

Expected Learning Outcomes:

Students will be able to explore emerging issues and advanced topics in information systems, critically evaluate their impact, and apply them to research or practice.

Course Title : **Data Science for Business**

Course Code : –

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course introduces the concepts, tools, and techniques of data science and their application in solving business and organizational problems. Students will explore the data science life cycle, including data collection, preparation, exploration, modelling, and interpretation. Emphasis is placed on using data-driven approaches to generate business insights and support decision-making. Topics include business analytics, data visualization, machine learning for business, predictive analytics, and ethical considerations in data use. Students will apply techniques using modern data science tools (e.g., Python, R, SQL, or BI tools) and work on case studies or projects that reflect real business challenges.

Expected Learning Outcomes:

Students will be able to apply data science methods, including data analysis, visualization, and predictive modeling, to support business decision-making and innovation.

Course Title : **Digital Transformation**

Course Code : –

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course explores the strategic, organizational, and technological aspects of digital transformation in modern enterprises. Students will learn how digital technologies—such as cloud computing, big data, AI, IoT, and automation—are reshaping business models, operational processes, customer experience, and organizational structures. The course focuses on change management, enterprise architecture, digital strategy, and governance frameworks to ensure successful transformation. Through case studies, tools, and project-based learning, students will analyse digital maturity, identify opportunities for innovation, and propose actionable digital transformation roadmaps aligned with organizational goals. Ethical, cultural, and leadership considerations are also emphasized

Expected Learning Outcomes:

Students will be able to assess organizational readiness for digital transformation, design strategies for digital innovation, and implement technologies that enable business transformation

Course Title : **Thesis Research II**

Course Code : –

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description :

This course represents the final phase of the thesis research in the Master of Information Systems program. Students are expected to execute their research plans by collecting and analyzing data, interpreting results, and completing the thesis manuscript. Emphasis is placed on applying scientific and ethical standards, demonstrating analytical rigor, and producing meaningful contributions to the field of information systems. Students will receive guidance through supervisory sessions and are required to present and defend their thesis before an academic panel. This course also encourages reflective learning and critical evaluation of the research process.

Expected Learning Outcomes:

Students will be able to analyze data, interpret research findings, and develop discussions that contribute to the field of information systems.

Course Title : **Research Seminar**

Course Code : –

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

This course provides a forum for students to present and discuss the results of their thesis research in a structured academic setting. Students are expected to demonstrate their ability to conduct scientific research, analyze data, and communicate their findings clearly and critically. Through this seminar, students receive constructive feedback from academic supervisors and peers, which helps refine their research before the final thesis defense. The course also aims to enhance students' academic presentation skills and their ability to engage in scholarly discourse.

Expected Learning Outcomes:

Students will be able to present research progress, respond to academic feedback, and improve their research quality through peer and expert review.

School of Postgraduate Studies
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Course Title : **Publication**

Course Code : -

Credits : **9.6 ECTS**   Type of Course: Mandatory

Course Description   :

This course prepares students to disseminate the results of their thesis or applied research in the form of scientific publications. It emphasizes academic writing, adherence to publication ethics, proper citation, and manuscript preparation for journals or conferences, both national and international. Students are guided to identify suitable publication venues, structure their manuscripts according to target journal requirements, and go through the submission and revision process. The course supports the development of research communication skills and promotes a culture of lifelong learning and scholarly contribution.

Expected Learning Outcomes:

Students will be able to produce scientific publications in reputable journals or conferences, demonstrating academic writing and dissemination skills.

Course Title : **Corporate Public Relations**

Course Code : VSH2624313

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course discusses the basic concepts of public relations in the corporate sphere. Topics covered include definitions, historical development, functions, objectives, roles, methods, and models of public relations, the public within the public relations sphere, the dimensions/scope of PR, the differences between image and reputation, and the concept of public relations program planning.

Expected Learning Outcomes:

By the end of this course, students will be able to explain the concept of Public Relations which includes scope, history, definition of public, definition of relationships, dimensions, methods and techniques, functions and objectives, models, tasks and targets, and planning of public relations programs, able to analyze public relations problems that arise in the company and entertainment industry, able to apply problem solving through planning public relations programs in the company and entertainment industry.

Course Title : **Government Public Relations**

Course Code : VSH2624317

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course provides an understanding and practice of proper methods and techniques for preparing to become a government public relations professional, as a key competency for becoming a skilled PR professional. Furthermore, this course teaches how to measure and analyze government public relations performance.

Expected Learning Outcomes:

By the end of this course, students will be able to explain the basic concepts of government public relations, including definitions, benefits, requirements and regulations related to government public relations, organizational communication, public opinion, and good governance, able to analyze problems faced by government public relations in the era of public information disclosure, and able to apply problem solving to government public relations problems in the era of public information disclosure.

Course Title : **Public Speaking**

Course Code : VSH2624315

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description   :

This course discusses the basic concepts of public speaking which include elements, types, public speaking ethics, emotional management and self-confidence, topic selection, obstacles in public speaking, audience analysis, situation and event venue, as well as public speaking techniques orally (intonation, articulation, tempo, volume), non-verbally (gestures, expressions, eye contact) and in writing in the form of text/or outline (opening, body, closing) with the use of necessary supporting media.

Expected Learning Outcomes:

By the end of this course, students will be able to understand the basic concepts and techniques of public speaking, able to apply public speaking techniques orally, both verbally and non-verbally, as well as in writing in the form of outlines and texts/scripts, able to analyze the audience/characteristics of the person being spoken to, the situation and location of the event, anxiety, and factors that influence a person when doing public speaking.

Course Title : **Records Management and Practicum**

Course Code : VSH2624312

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description   :

This course discusses the concepts, principles, and techniques of managing active archives, inactive archives, and vital archives that support the implementation of organizational tasks and functions. The material includes the definition, types, and utility values of archives, archival organizations, dynamic archive management instruments, active archive filing, inactive archive arrangement, implementing the vital archive program, archive storage, archive reduction, archive access and services. Students will also learn the application of national archival regulations.

Expected Learning Outcomes:

After taking this course, students are expected to be able to manage dynamic archives effectively, efficiently, accountably, and in accordance with applicable legal provisions.

Course Title : **MICE Management**

Course Code : VSH2624527

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course discusses the basic concepts of MICE, event management as part of the Public Relations field. MICE and Event Management outlines the technical aspects of managing events effectively and efficiently to achieve the public relations interests of corporations or government agencies.

Expected Learning Outcomes:

After studying this course, students are expected to be able to explain the concept of planning and managing MICE activities, be able to identify and manage relationships with stakeholders in MICE activities, be able to apply an activity to solve problems, and be able to apply publications of MICE activities both orally and in writing.

Course Title : **Tourism Public Relations**

Course Code : VSH2624526

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course equips students with practical skills in producing various audio-based Public Relations media. Students will learn the use of software to create audiovisuals and the operation of an audio mixer to produce audio content that supports public relations activities. The focus of learning is directed towards mastering creative, effective, and industry-standard production techniques.

Expected Learning Outcomes:

After studying this course, students are expected to be able to explain the basic concepts of tourism, tourism communication, tourism branding and destination branding, be able to identify audiences in the tourism sector, be able to design messages aimed at tourism branding, and be able to produce digital content aimed at tourism branding.

Course Title : **International Public Relations**

Course Code : VSH2624529

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course provides knowledge and practical skills on planning international PR programs for multinational companies, NGOs, or other organizations with international missions, taking into account the differences in social and cultural backgrounds and technology of the target foreign public.

Expected Learning Outcomes:

After studying this course, students are expected to be able to explain the basic concepts of international PR, including the concepts of globalization, international communication, global press and media, international advertising, be able to identify international actors/stakeholders involved in international PR practices, be able to explain the concept of international PR program planning, be able to analyze public relations problems faced by government agencies/DUDI/NGOs in the global scope, and be able to apply problem solving to public relations problems in the global scope through the creation of international PR programs.

Course Title : **Production of Public Relations Media**

Course Code : VSH2624528

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course equips students with practical skills in producing various Public Relations media, both paper-based and audio. Students will learn the use of graphic design software to create print PR media and the operation of an audio mixer to produce audio content that supports public relations activities. The focus of learning is directed towards mastering creative, effective, and industry-standard production techniques.

Expected Learning Outcomes:

After studying this course, students are expected to be able to design messages that aim to support the delivery of information through print and audio content and be able to produce digital content that aims to support the delivery of information through print and audio content.

Course Title : **Data and Information Visualization**

Course Code : VSH2624532

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course covers the basic concepts and techniques of data visualization, including how to create effective visualizations using various tools and software. The primary focus is on the application of data visualization in various contexts, such as libraries, businesses, and public relations communications, to improve understanding and data-driven decision-making. Students will learn various types of charts and visualization tools, as well as analytical techniques to ensure information is presented clearly and usefully.

Expected Learning Outcomes:

After studying this course, students are expected to be able to explain the basic concepts of data visualization, be able to apply data visualization concepts using tools and software, and students are able to apply data visualization techniques in the context of information and libraries, companies, and public relations communications.

Course Title : **Digital Marketing Public Relations**

Course Code : VSH2624534

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description :

This course explores the concepts, strategies, and practices of public relations marketing in the digital era. Students will learn the integration of marketing, public relations, and digital marketing through an integrated marketing communications approach. The learning focus includes the digital marketing funnel, digital marketing formulas, SEO & SEM, the use of digital tools, marketing psychology, website performance and UX, and social media strategy and analysis.

Expected Learning Outcomes:

After completing this course, students are expected to be able to explain the concept of information management in the scope of public relations marketing and marketing implementation using digital platforms, analyze the development and impact of digitalization in the scope of public relations marketing, identify and analyze public relations marketing problems in the government/corporate/MSME sector using digital platform tools, and be able to implement public relations marketing programs in the government/corporate/MSME sector on digital platforms.

Course Title : **Warehouse Management**

Course Code : VMA2624315

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Examines warehouse design, storage systems, inventory flows, and warehouse technology applications.

Expected Learning Outcomes:

By the end of this course, students will be able to explain warehouse functions and processes, apply layout and storage optimization techniques, and utilize warehouse management systems (WMS) to support operations.

Course Title : **Risk Management**

Course Code : VMA2624316

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

Focuses on identifying, assessing, and mitigating risks in logistics and supply chain operations.

Expected Learning Outcomes:

By the end of this course, students will be able to identify common risks in logistics and supply chains, analyze risks using appropriate assessment tools, and formulate strategies to minimize or mitigate those risks.

Course Title : **OHS Management in Logistics**

Course Code : VMA2624317

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Introduces occupational health and safety (OHS) principles in logistics, covering accident prevention, ergonomics, and regulatory compliance.

Expected Learning Outcomes:

By the end of this course, students will be able to explain OHS concepts and regulations in logistics, identify potential workplace hazards, and apply safety management practices to prevent accidents in logistics environments.

Course Title : **Inventory Management**

Course Code : VMA2624318

Credits : **4.8 ECTS**   Type of Course: Mandatory

Course Description :

Focuses on techniques and systems for managing stock levels, demand forecasting, and replenishment in logistics.

Expected Learning Outcomes:

By the end of this course, students will be able to explain inventory control methods, apply forecasting and replenishment techniques, and evaluate inventory performance indicators to support logistics decision-making.

Course Title : **Logistics Business Strategic**

Course Code : VMA2624321

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

This course examines strategic planning and decision-making in logistics business, focusing on competitiveness, innovation, and value creation.

Expected Learning Outcomes:

By the end of this course, students will be able to explain strategic concepts in logistics business, analyze market trends and competitive forces, and develop strategic plans to improve business performance in logistics.

Course Title : **Sales Management**

Course Code : VMA2624531

Credits : **4.8 ECTS**   Type of Course: Elective

Course Description :

Covers sales techniques, customer relationship management, and negotiation strategies in logistics and trade.

Expected Learning Outcomes:

By the end of this course, students will be able to understand sales principles and processes, apply negotiation skills in sales scenarios, and develop strategies to manage and grow customer relationships effectively.

Course Title : **Business Communication**

Course Code : VMA2624532

Credits : **3.2 ECTS**   Type of Course: Elective

Course Description   :

Develops skills in professional communication, including reports, presentations, business correspondence, and intercultural communication.

Expected Learning Outcomes:

By the end of this course, students will be able to demonstrate effective oral and written business communication, apply professional correspondence in logistics and trade contexts, and communicate effectively in multicultural environments.

Course Title : **Business English Communication**

Course Code : VBA2624446

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

This course familiarizes students with some common types of English spoken communication in business settings, including formal introduction, socializing, phone call, business presentation, to negotiation. The students will learn communication strategies needed to impress their business partners, colleagues, and clients. During the course, students will conduct simulations of business communication.

Expected Learning Outcomes:

By the end of this course, students will be able to decide what communication strategies they need to choose in different settings of business communication. The students will have experience of practicing English spoken communication in business settings.

Course Title : **Business Japanese Communication**

Course Code : VBA2624456

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

This course allows students to delve into Japanese spoken communication in business settings. The students will learn about cultural-specific value in Japanese business context. Furthermore, the students will learn communication strategies needed to effectively interact with their business partners, colleagues, and clients. During the course, students will conduct simulations of business communication.

Expected Learning Outcomes:

By the end of this course, students will be able to understand about culturally-specific characteristics of communication in Japanese business setting. They will be able to decide what communication strategies they need in different settings of business communication. The students will have experience of practicing Japanese spoken communication in business settings.

Course Title : **English Writing in Professional World**

Course Code : VBA2624447

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course teaches students about English written communication in professional settings, including language styles, common goals in professional communication, and types of written communication (written introduction, accepting or rejecting a job offer, making announcement, and other internal communication within companies). This course will require the students to practice their English writing in simulated professional settings and make a portofolio of their writing.

Expected Learning Outcomes:

By the end of this course, students will understand communicative strategies in professional settings. Furthermore, they will have some experience of solving problems in a simulated English professtional settings. They will also have a portofolio covering their writing during the course.

Course Title : **Japanese Interpreting**

Course Code : VBA2624686

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course allows students to understand issues in Japanese interpreting and how to be interpreters for Japanese language. The course also discusses strategies in simultaneous and consecutive interpreting. The students will have a series of interpreting practicum.

Expected Learning Outcomes:

By the end of the course, students will be able to determine strategies for Japanese interpreting in different settings. The students will have experience of simulation of being an interpreter for Japanese language.

Course Title : **MICE**

Course Code : VBA2624680

Credits : **3.2 ECTS**　　　　　Type of Course: Mandatory

Course Description :

The course provides a comprehensive overview of the Meetings, Incentives, Conferences, and Exhibitions (MICE) industry. It's designed to equip students with the knowledge and skills needed to plan, manage, and execute professional events. The curriculum typically covers the entire event lifecycle, from initial conceptualization and budgeting to post-event evaluation and client relationship management. The students will practice their skills in event-organizing and working in team through a project of holding an event.

Expected Learning Outcomes:

Students are expected to be able to understand the key components, stakeholders, and economic impact of the MICE industry. By the end of the course, they will have developed and executed strategic plans for various types of events, including meetings, incentive trips, conferences, and exhibitions.

Course Title : **Ethics in Profession**

Course Code : VBA2624438

Credits : **3.2 ECTS**　　　　　Type of Course: Mandatory

Course Description :

The course is designed to provide students with a foundational understanding of ethical theories and principles as they apply to a professional context. It challenges students to recognize and navigate complex moral dilemmas and social responsibilities that are not always addressed by legal or company policies. The course covers a range of topics, including professional codes of conduct, conflicts of interest, compliance and the ethical implications of emerging technologies.

Expected Learning Outcomes:

Upon completion of the course, students will develop the ability to spot ethical issues in a professional environment, evaluate conflicting values, and make sound judgments. Students will be able to assess the societal, environmental, and cultural impacts of their professional actions and the decisions of their organizations. Furthermore, Students will practice articulating and defending their ethical positions clearly and persuasively, fostering a culture of integrity and transparency.

Course Title : **English and Front Office**

Course Code : VBA2624444

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course is a specialized training program designed to equip students with the linguistic and professional skills required to excel in a front-office role, particularly within the hospitality industries. The course combines practical English language instruction with core front-office operational knowledge. It focuses on developing strong verbal and written communication skills for interacting with guests from diverse backgrounds, handling inquiries, and managing day-to-day reception tasks.

Expected Learning Outcomes:

By the end of the course, students will demonstrate fluency in spoken and written English for common front-office scenarios, including greetings, check-ins, check-outs, and phone calls. Furthermore, the students will understand and apply cultural sensitivity and appropriate etiquette when interacting with guests and colleagues from different countries.

Course Title : **Ethics in Profession**

Course Code : VBA2624438

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course is designed to familiarize students, who have little to none background of Japanese, with Japanese sounds and basic conversation. The students will have a lot of practices with regard to Japanese vocabularies and listening comprehension.

Expected Learning Outcomes:

Upon completion of the course, students will develop ability to comprehend spoken vocabularies and expressions commonly used in Japanese basic conversation.

Course Title : **Starter Japanese Speaking**

Course Code : VBA2624106

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course is designed as a platform for students, who have little to none background of Japanese, to engage in Japanese basic conversation. The students will have a lot of practices in Japanese pronunciation and conversation.

Expected Learning Outcomes:

Upon completion of the course, students will develop ability to produce spoken expressions commonly used in Japanese basic conversation.

Course Title : **Starter Japanese Grammar**

Course Code : VBA2624107

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course is designed to teach students, who have little to none background of Japanese, about how to form well-structured phrase and simple sentence in Japanese. The students will learned about word order, particles, and negatives formation.

Expected Learning Outcomes:

Upon completion of the course, students will be able to use particles correctly and form simple sentences in Japanese.

Course Title : **Hiragana and Katakana**

Course Code : VBA2624108

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course is designed to introduce students, who have little to none background of Japanese, to Japanese writing system, hiragana and katakana. Students will learn about the strokes of each character and how to write some words using the characters.

Expected Learning Outcomes:

Upon completion of the course, students will be able to write some Japanese words using hiragana and katakana.

Course Title : **Introduction to Hotel Industry**

Course Code : VBA2624322

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course introduces students to aspects in hotel industry, starting from service, facilities, business operation, to sustainability practices. The students will also take a look at how five-star hotel is run in Indonesia.

Expected Learning Outcomes:

By the end of the course, students will demonstrate understanding of aspects in hotel industry.

Course Title : **Introduction to Office Management**

Course Code : VBA2624323

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course introduces students to aspects in office management, starting from front office, archiving, correspondence, to making minutes. The students will also have office management simulation during the course.

Expected Learning Outcomes:

By the end of the course, students will demonstrate understanding of office management.

Course Title : **English Academic Writing**

Course Code : VBA2624563

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course is designed to prepare students to write research papers, theses, articles, or reports. Students will learn how to produce clear, structured, and well-researched papers that meet the standards of academic discourse. Students will learn and practice how to develop a strong argument, use evidence effectively, and adhering to APA style.

Expected Learning Outcomes:

Upon completion of the course, students will be able to write a well-structured and rigorous academic paper that follow APA style.

Course Title : **English for International Test**

Course Code : VBA2624564

Credits : **3.2 ECTS**   Type of Course: Mandatory

Course Description :

The course is designed to prepare students for internationally-recognized English proficiency test. The course provides students with drills and strategies on how to answer questions during the test. The foci of the tests will be on TOEIC and IELTS.

Expected Learning Outcomes:

Upon completion of the course, students will be able to implement strategies on answering the English proficiency tests. It is expected that the students are able to achieve B1+ of CEFR.

More Inquiries And Information About Us

Under the Directorate of Reputation, Partnerships, and Global Connectivity (RPGC), the Diponegoro International Office (DIO) supports international students, researchers, and partners at Universitas Diponegoro. Established in 2009, it assists with immigration, academic life, and cultural integration. We oversee Student Mobility, Welfare, Finance, Visas, and worldwide promotions for potential partnerships.

As Undip aims to be a world-class university, we foster global collaborations and support international programs, including double degrees and credit transfers. Ranked 106th in Asia (QS 2026) and among Indonesia's top five universities, UNDIP continues expanding its global presence.

THANK YOU!

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