Filters used for the printout

Curriculum period: 2024-2025. **Studies included in the printout:** Courses. **Languages of the descriptions:** English. **Language of the printout template:** English.

VTMGC_EM Global Communications and Clean Air, Water and Energy
VTMGC_EM Global Communications and Clean Air, Water and Energy

CURRICULUM PERIOD 2024-2025

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	min 120 cr
Languages	English
Grading scale	Grading scale for degrees (distinction)
Content approval required	no
Locations	Lappeenranta
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Anna Rantasila, Responsible teacher
	Hanna-Mari Husu, Responsible teacher
	Riina Saarenvesi, Administrative person
Degree programme type	Master's Degree
Degree titles	Master of Social Sciences
Study field	Fields of education (Ministry of Education and Culture), Social sciences
Education classification	733206 Master of Social Sciences, Communication Sciences

Content description

EN: Facts

- Degree Master of Social Sciences (M.Soc.Sc.), (Yhteiskuntatieteiden maisteri in Finnish)
- Higher university degree, gives eligibility to apply for scientific doctoral studies
- Extent 120 ECTS credits

The Master's degree (120 ECTS) consists of core studies, advanced specialisation studies and multidisciplinary studies in critical systems of the society. The Master's Thesis and Seminar is included in the advanced specialisation studies. Elective studies can be any courses offered by LUT if the required prerequisites are fulfilled. Studies in other universities/from abroad may be included upon application, too.

Learning outcomes

EN: Students who have completed MSc in Global Communications and Clean Air, Water and Energy are able to:
- Understand, detect and construct new forms of influence and strategic narratives in the context of rapid developments in media landscape, geopolitics and AI.

- Critically analyse and assess different forms of soft power that shape the global and local perspectives on sustainability and green transition.

- Understand a broad array of theoretical perspectives and approaches related to global communications and sustainability.

- Apply and examine latest scientific knowledge and debates on global communications, soft power and sustainability.

- Critically read and evaluate communication science theories and literature.

- Understand how AI and the adoption of new media technologies globally shape the functioning of societies, organisations and individuals – from global communication perspectives.

Additional information

EN: This master's programme will start in autumn 2024.

DEGREE STRUCTURE

Part of the degree	Credits
GLOBAL COMMUNICATIONS AND CLEAN AIR, WATER AND ENERGY DRAFT	min 120 cr
VTMDMCORE_EM CORE STUDIES DRAFT	min 31 cr
YTS010000 Introduction to M.Sc. studies DRAFT	1 cr
YTS010400 System Theory and System Interdependence DRAFT	5 cr
YTS010200 Methodological Tools to Study Sustainability in Social Sciences DRAFT	5 cr
YTS010300 Methodological Tools to Study Technology-topics in Social Sciences DRAFT	5 cr
YTS011300 Robots & AI in Society DRAFT	5 cr
YTS011200 Digital Media and Social Technologies in Society DRAFT	5 cr
VTS010100 Global Communications, Soft Power and Climate Change DRAFT	5 cr
YTDKIELI_EM LANGUAGE AND COMMUNICATION STUDIES DRAFT	min 4 cr
KE00BZ81 Academic Writing DRAFT	3 cr
COMPLETE AT LEAST 1 ECTS IN ENGLISH (grouping module)	
VTMSYVOPDM ADVANCED SPECIALISATION STUDIES DRAFT	min 60 cr
VTMGCSPEC GLOBAL COMMUNICATIONS: FUTURE AVENUES DRAFT	min 60 cr
LUTKYPSYT Maturity test in Master's degree DRAFT	0 cr
VTS010000 Master's Thesis and Seminar DRAFT	30 cr
VTS010200 Crisis Communications and Clean Air, Water & Energy DRAFT	5 cr
VTS010300 Democracy, Soft Power, News & AI DRAFT	5 cr
VTS010400 Organizational and Political Perspectives on CSR and Sustainability Communication DRAFT	5 cr
VTS010500 Global Communications and Media: Contemporary Issues DRAFT	5 cr
VTS010600 Global Media and Communications DRAFT	5 cr

> > > **VTS010700** Advanced Readings in Soft Power, Strategic Narratives & Propaganda   5 cr
> > > DRAFT

> **VTMMOKRJ** MULTIDISCIPLINARY STUDIES, CRITICAL SYSTEMS OF THE SOCIETY ·········· min 25 cr
> DRAFT

> > COMPULSORY STUDIES (grouping module)

> > > **YTS011900** Programming for Social Scientists   5 cr
> > > DRAFT

> > > **VTS010800** Role of Software in Societies   5 cr
> > > DRAFT

> > ALTERNATIVE STUDIES (grouping module)

> > > **BH10A3000** Energy and Society   4 cr
> > > DRAFT

> > > **YTS012000** Solving Societal Challenges with Data   5 cr
> > > DRAFT

> > > **BH60A4402** Sustainability in Socio-Technological context   6 cr
> > > DRAFT

> > > **BH60A7400** Climate.Now   2 cr
> > > DRAFT

> > > **BH60A7200** Circular.now   3 cr
> > > DRAFT

> > > **BJ03A1011** Introduction to Water Treatment Technologies   5 cr
> > > DRAFT

> > > **CS30A1365** Sustainability-oriented innovation   3 cr
> > > DRAFT

> > > **CS39A0090** Networks and ecosystems   6 cr
> > > DRAFT

> > > **A380A0300** Introduction to Digital Marketing   3 cr
> > > DRAFT

> > > **A130A0551** Organizational Behaviour   6 cr
> > > DRAFT

> > > **A350A0501** Sustainable Strategy   6 cr
> > > DRAFT

> **VAPVALVTM** ELECTIVE STUDIES ··· min 0 cr
> DRAFT

> > ADDITIONAL MINOR STUDIES (grouping module)

FILTERED COURSES

YTS010000 Introduction to M.Sc. studies
YTS010000 Introduction to M.Sc. studies

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	1 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%

Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Jaana Laine, Responsible teacher
	Antti Puupponen, Responsible teacher
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Learning outcomes

EN: Upon completion of the course, the student:

- Has the basic knowledge of studying at LUT University and use of the Moodle learning environment.
- Has the basic knowledge of the research areas at Social Sciences and School of Engineering Science.
- Knows how to plan an individual study plan and to follow the progress of the studies in Sisu.
- Knows the practices and regulations regarding examinations and the Master's Thesis.
- Is familiar with the Academic Library's services, collections and databases.
- Understands how to use the information sources in accordance with good practices and respecting the copyrights, write course assignments with correct references.

Content

EN: Introduction course for students who have Bachelor's degree from other university than LUT University. The Orientation Days activities.

Practical study-related information. LUT library collections, databases, reference practices, copyrights, information security, career planning and cultural difference related issues.

Degree requirements and planning of Master's studies, preparation of the individual study plan. Study and exam culture in LUT.

Research areas of Social Sciences and School of Engineering Science.

Additional information

EN: Will be organised first time in academic year 24-25.

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 1. period	1 cr
Course Completion		1 cr

YTS010400 System Theory and System Interdependence
YTS010400 System Theory and System Interdependence

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Jaana Laine, Responsible teacher
	Antti Puupponen, Responsible teacher

Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing this course, the students will:

- Understand the meaning of social systems and principles of system theory and its main concepts
- Know how to deploy system theory to analyse empirical phenomena
- Understand socio-technical system change and reproduction
- Know similarities and differences regarding other approaches and concepts.

Content

EN:

- Introduction to system theory; what are social systems; what are socio-technical systems?
- The key concepts of system theory
- Systems' relationship to environment and other systems; what are subsystems
- System change and reproduction
- The role of communication in systems
- Open and closed systems
- System stratification, integration and disintegration
- System theory's similarities and differences regarding other approaches such as field theory and the concept of social structure

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: The literature will be announced at the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

YTS010200 Methodological Tools to Study Sustainability in Social Sciences

YTS010200 Methodological Tools to Study Sustainability in Social Sciences

Curriculum period	2024-2025
Validity period	since 1 Aug 2024

Credits	5 cr
Languages	English
Grading scale	General scale, 0-5

University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%

Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Antti Puupponen, Responsible teacher
	Jaana Laine, Responsible teacher
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enroll into the master's program.

Learning outcomes

EN: After completing the course, students:

- Have diverse know-how to use various methodological tools: know how to search and apply method information to design and conduct social scientific research on sustainability.

- Can report and evaluate social scientific sustainability research that utilizes different methods.
- Know the data collection process of several qualitative (e.g., interviews, archival) and quantitative (e.g., survey experiments, longitudinal surveys) data types.
- Know how to apply several qualitative (e.g., discourse analysis, narrative analysis, frame analysis) and quantitative (e.g., variance analysis, longitudinal regression analysis, structural equation models) analysis methods to investigate sustainability in social sciences.
- Can utilize computer software for data analysis (e.g., Stata, NVivo).

Content

EN:

- Planning, conducting, reporting, and evaluating social scientific research on sustainability.
- Various qualitative and quantitative methodological tools for data collection and analysis.

- Choosing appropriate methods and research designs for research questions within sustainability theme.

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: Course material and literature will be announced at the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

YTS010300 Methodological Tools to Study Technology-topics in Social Sciences

YTS010300 Methodological Tools to Study Technology-topics in Social Sciences

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5

University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Jaana Laine, Responsible teacher
	Antti Puupponen, Responsible teacher
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enroll into the master's program.

Learning outcomes

EN: After completing the course, students:

- Have diverse know-how to use various methodological tools: know how to search and apply method information to design and conduct social scientific technology research.

- Can report and evaluate social scientific technology research that utilizes different methods.
- Know the data collection process of social media data.
- Know how to apply several qualitative (e.g., content analysis, thematic analysis, analysis of images) and quantitative (e.g., topic models, social network analysis, sentiment analysis) analysis methods to investigate technology-topics in social sciences.
- Can utilize computer software for data analysis (e.g., Stata, NVivo).

Content

EN:

- Planning, conducting, reporting, and evaluating social scientific research of technology topics.
- Various qualitative and quantitative methodological tools for data collection and analysis.

- Choosing appropriate methods and research designs for research questions within technology research topics.

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: Course material and literature will be announced at the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

YTS011300 Robots & AI in Society
YTS011300 Robots & AI in Society

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr

Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Jaana Laine, Responsible teacher
	Antti Puupponen, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing the course, students will

- Have a broad understanding of the relationships between people and advanced robotic technologies.
- Can review the latest research literature on human–robot interaction.
- Understand the social scientific approach to technology studies and can scrutinize robotic technologies from the perspectives of social sustainability and social factors.
- Understand the significance of social scientific theories in explaining issues on technologies.
- Students can examine robotic technologies from several social scientific perspective: e.g., How do people react to or interact with advanced technologies and how do these technologies change people's behaviour.

Content

EN:

- Current empirical research and social scientific theories on the relationships between people and latest robotic technologies.
- Perspectives of different advanced technologies (e.g., robots, artificial intelligence, and virtual agents).
- The impact of latest smart technologies on people's behaviour, thinking and everyday life.
- Ethical consideration of robotic technologies and wellbeing.
- Review of social factors around robotic technologies and how to examine them from the perspectives of social sciences and social sustainability

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: Will be informed later.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

YTS011200 Digital Media and Social Technologies in Society

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Jaana Laine, Responsible teacher
	Antti Puupponen, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing the course, students will

- Have a broad understanding of the social factors in latest communication technologies and digital media platforms from the perspectives of consumers, and content production.
- Have tools to review the latest research literature on technology–mediated social interaction and digital media in society.
- Understand the social and communication scientific approaches to social media, digital environment, and communication technology studies and can scrutinize digital technologies from the perspectives of social sustainability and social factors.
- Understand the significance of social scientific theories in explaining digital media and communication technology issues.
- Can examine social and media technologies from several social and communication scientific perspective: e.g., How do people consume digital media and interact through advanced communication technologies and how do these technologies change people's behaviour; what kind of social and cultural impact these technologies may have; analyse unintended consequences of technology.

Content

EN:

- Current empirical research and theories on social interaction via latest communication technologies, media consumption and its digital footprints, and the societal impacts of different platforms.
- Perspectives of different social media and advanced social technologies (e.g., latest social media platforms, metaverse, extended reality technologies [AR/VR/MR] and virtual avatars).
- Perspectives of datafication and its implications to public media use: how data influences, for example, media's relationship with their audiences and individual taste. How newer forms of media always contain traces of older forms of media, and how they draw influence from each other. Participation to media environments, public discussions, and content creation.
- Ethical consideration of social technologies and wellbeing, and social media and data.
- Review of social factors around latest communication technologies and digital media and how to examine them from the perspectives of social and communication sciences and social sustainability.

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: Will be informed later.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

VTS010100 Global Communications, Soft Power and Climate Change
VTS010100 Global Communications, Soft Power and Climate Change

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Anna Rantasila, Responsible teacher
Study level	Intermediate studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Tweet text

EN: Location of Teaching: Lappeenranta

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program. We also suggest that the course Democracy, News, Soft Power and AI is taken before this one.

Learning outcomes

EN: The learning outcomes for the course are:
(1) ability to describe and understand key concepts and approaches related to global communications and soft power in the context of climate change.

(2) ability to compare and contrast how different theories on soft power and global communication can be applied to study and discuss climate change.

(3) ability to analyse the impact of soft power and global communications in international climate-related issues.

(4) ability to apply theories and concepts from previous studies related to global communications, soft power and strategic narratives to empirical cases related to climate change.

Content

EN: In this course, we explore how global communication and questions of soft power and geopolitics are related to climate change and other environmental issues. During the course, we discuss various empirical cases that illustrate different aspects of these phenomena and analyse how global communications and soft power shape the narratives with which we communicate about climate change related issues in a complex media environment.

Additional information

EN: Will be organised first time in academic year 24-25.
****

The course is related to the following UN Sustainable Development Goals:

7 affordable and clean energy
8 decent work and economic growth
9 industry, innovation and infrastructure
10 reduced inequalities
11 sustainable cities and communities
12 responsible consumption and production
13 climate action
16 peace, justice and strong institutions

Study materials

EN: Literature will be announced in the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

KE00BZ81 Academic Writing
KE00BZ81 Academic Writing

Abbreviation: KE00BZ81

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	3 cr
Languages	English
Grading scale	Pass-Fail
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LAB, language 100%
Responsible person	Anneli Rinnevalli, Responsible teacher
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Business, administration and law
	Fields of education (Ministry of Education and Culture), Information and Communication Technologies (ICTs)
	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction
	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Details available in Completion methods under the header Teaching

Learning outcomes

EN: Proficiency level: B2-C1 Students are able •to identify the characteristics of academic writing •to demonstrate their proficiency in applying academic writing conventions, both generic and discipline-specific, to

their writing ·to demonstrate their ability to critical thinking and analysis ·to demonstrate ability in collaborative situations ·to produce a 6-page academic paper in pairs or in groups of three

Study materials

EN: Details available in Completion methods under the header Teaching

Completion method and assessment items Recurrence	Credits
Method 1	3 cr
¤LAB/LUT: Course Completion	3 cr

LUTKYPSYT Maturity test in Master's degree
LUTKYPSYT Kypsyysnäyte maisterin tutkinnossa

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	0 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	Lappeenranta-Lahti University of Technology LUT 100%
Responsible persons	Tiina Kronqvist, Responsible teacher
	Mervi Lensu, Responsible teacher
	Taina Pekari, Responsible teacher
Study level	Other studies
Study field	Fields of education (Ministry of Education and Culture), Business, administration and law
	Fields of education (Ministry of Education and Culture), Information and Communication Technologies (ICTs)
	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Equivalences to other studies

K1 Maturity test in Master's degree (content)

Completion method and assessment items Recurrence	Credits
Method 1	0 cr
Finnish language	0 cr
Content	0 cr

VTS010000 Master's Thesis and Seminar
VTS010000 Master's Thesis and Seminar

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	30 cr
Languages	English
Grading scale	General scale, 0-5

University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Anna Rantasila, Responsible teacher
	Hannele Seeck, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Learning outcomes

EN: After completion of the course, students will be able to:

- define their research topic and write a research plan,
- acquire research data and select research methods,
- write Master's thesis,
- understand research ethical questions involved in research and the correct use of references, and
- critically discuss, give and receive feedback on research.

Content

EN: Do you have any questions about your master's thesis? This seminar will answer them. This seminar discusses how to pick a thesis topic, how to plan a thesis, and how to write it. Exercises help you in planning your thesis. Moreover, you can get feedback on any text you might already have.

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: Will be announced at the beginning of the seminar

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 1. period-4. period	30 cr
Course Completion		30 cr

VTS010200 Crisis Communications and Clean Air, Water & Energy
VTS010200 Crisis Communications and Clean Air, Water & Energy

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Anna Rantasila, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Tweet text

EN: Location of teaching: Lappeenranta campus

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enroll into the master's program. Previous studies in crisis communication recommended, but not necessary.

Learning outcomes

EN: After completing this course, the students will

- understand how theory and practice of crisis communication can be applied to complex environmental issues and other situations.
- be aware of various challenges and opportunities that communicators face when dealing with complex crises.
- recognise the theoretical differences and overlaps between crisis, risk and environmental communication.
- have tools to review the latest research literature on crisis, risk and environmental communication.
- be able to critically analyse cases of crisis communication and plan and develop crisis communication strategies for complex situations.

Content

EN: This course explores theory and practice of crisis communication in the context of complex environmental issues, such as crises related to clean air, water or energy. The course deepens the students' understanding of crisis communication, and how it can be applied in various situations. The course will involve analysis of various cases, written assignments and practical exercises.

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: Will be defined before the course begins

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

VTS010300 Democracy, Soft Power, News & AI
VTS010300 Democracy, Soft Power, News & AI

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hannele Seeck, Responsible teacher
	Anna Rantasila, Responsible teacher
Study level	Advanced studies

Study field	Fields of education (Ministry of Education and Culture), Social sciences

Tweet text

EN: Location of teaching: Lappeenranta

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing this course, the students will be able to:

- understand how strategic narratives are constructed and deconstructed and how soft power works
- be aware of new forms of influence, soft power and disinformation, for example, around debates on clean air, water & energy and more broadly, around sustainability and green transition.
- recognise the role of news in sustaining democracy.
- distinguish new opportunities and challenges posed by AI and new forms of soft power to news and democracy.
- examine and understand a broad array of theoretical perspectives and approaches related to different forms of influence, and search for recent scientific knowledge and debates on these.
- independently and critically read and evaluate soft power literature.

Content

EN: This course focuses on how various emerging forms of influence, soft power and disinformation are challenging journalistic practices and democratic ideals. These themes are discussed in the context of issues related to for example to climate change, sustainability and green transition.

Additional information

EN: Will be organised first time in academic year 24-25.
****

This course is related to the following UN Sustainable Development Goals:
10 reduced inequalities
11 sustainable cities and communities
16 peace, justice and strong institutions

Study materials

EN: Literature will be announced in the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

VTS010400 Organizational and Political Perspectives on CSR and Sustainability Communication
VTS010400 Organizational and Political Perspectives on CSR and Sustainability Communication

Curriculum period	2024-2025
Validity period	since 1 Aug 2024

Credits	5 cr
Languages	English
Grading scale	General scale, 0-5

University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Visa Penttilä, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Tweet text

EN: Teaching location Lappeenranta

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing this course, the students will be able to:
- explain the central theories of corporate responsibility and sustainability communication

- empirically evaluate sustainability and political communication and their organizational and societal implications

-create communication plans for organizations in the context of sustainability and corporate responsibility

Content

EN: The course covers current theories of corporate responsibility and sustainability communication, including greenwashing. In addition, it introduces theoretical approaches to organizations as political actors in the context of such communication. The course discusses also sustainability reporting, stakeholder analysis and engagement from the perspective of different organizations and actors.

Additional information

EN: Will be organised first time in academic year 24-25.
The course is related to UN's Sustainable Development Goals (SDG):

8 decent work and economic growth, 12 responsible consumption and production, 17 partnership for the goals

Study materials

EN: Literature will be announced in the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

VTS010500 Global Communications and Media: Contemporary Issues
VTS010500 Global Communications and Media: Contemporary Issues

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5

University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Anna Rantasila, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Tweet text

EN: Location of teaching: Lappeenranta

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing this course, the students will be able to:

- identify, understand and explain current and prominent issues and trends in the field of communication sciences especially in global context.

Content

EN: This course focuses on contemporary issues and trends discussed and debated in the field of communication sciences in a global context. During the course, students will have an opportunity to participate in lectures given by international researchers and visiting scholars/professors. The course can also be held in full by a visiting professor/visiting scholar.

Additional information

EN: Will be organised first time in academic year 24-25.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

VTS010600 Global Media and Communications
VTS010600 Global Media and Communications

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Anna Rantasila, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Tweet text

EN: Location of Teaching: Lappeenranta

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing this course, the students will be able to:

- understand emerging issues and trends in the fields of global media and communication sciences.
- learn about the role of global media and communication sciences in shaping the future of the society, organizations and individuals.

Content

EN: This course focuses on exploring future avenues for communication practice and theory in the context of global media. During the course the students will gain understanding on diverse emerging phenomena and how these may advance and adjust communication science as a field of research. During the course, students will participate in lectures given by international researchers, visiting scholars, as well as communication researchers from LUT University.

Additional information

EN: Will be organised first time in academic year 24-25.
****

This course is related to the following UN Sustainable Development Goals:

9 industry, innovation and infrastructure
10 reduced inequalities
11 sustainable cities and communities
12 responsible consumption and production

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

VTS010700 Advanced Readings in Soft Power, Strategic Narratives & Propaganda

VTS010700 Advanced Readings in Soft Power, Strategic Narratives & Propaganda

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hannele Seeck, Responsible teacher
Study level	Advanced studies

Study field   Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enroll into the master's program.

Learning outcomes

EN: The learning outcomes for the course are:
(1) that you can describe and understand key concepts and theories, related to soft power, strategic narratives and propaganda

(2) that you can describe, compare and contrast different models and theories on soft power, strategic narratives and propaganda

(3) that you gain a historical and critical understanding of these models and theories.

During the course the participants also get practice in writing academic texts and arguing for their views through their texts.

Instructions for writing a reading diary.
Reading diary of each article should be ca. 700 words in length (corresponds with ca. two A4 pages with font size 12 and 1.5 spacing).
The diaries are submitted in such a way that all 15 reading diaries are put together, one after the other, as one document. Submit your finished diary into Turnitin.

The points made and the arguments used must be presented in a manner that is clear to the reader. The main purpose of the reading diaries is to show that you understand what you have read. A reading diary comprises of:

·200-300 word summary of the content of the article

·400-500 word discussion that offers your take on the article: What did you take away from each reading? What were the core points of the author(s)? How did the reading help shed light on the focal topic?

Rewrite the diary in your own words rather than citing sentences from the text. Reflect and analyze but also argue for why you hold a certain position regarding some key claim, insight, theory or concept presented in the article#('just because' is not enough). Don't get too picky with details and limitations – this is not a reviewing exercise or essay. Try to focus on what a study/paper contributes despite its limitations.

The use of AI or equivalent is forbidden and will result is rejection of the grade.

Additional information

EN: Will be organised first time in academic year 24-25. The course can be taken throughout the year, during semesters, excluding summertime.
****

The course is related to the following UN Sustainable Development Goals:

9 industry, innovation and infrastructure
10 reduced inequalities
11 sustainable cities and communities
12 responsible consumption and production

Study materials

EN: Literature will be announced in the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr

Course Completion	5 cr

YTS011900 Programming for Social Scientists
YTS011900 Programming for Social Scientists

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Jaana Laine, Responsible teacher
	Antti Puupponen, Responsible teacher
Study level	Intermediate studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing this course, the students will:

- be able to explain what programming is used for,
- understand the opportunities that programming brings for social scientists,
- be aware of the most popular programming languages,
- have experience in using one programming language.

Content

EN: Programming skills are in high demand, also outside the traditional jobs of software engineers. To participate in multidisciplinary innovation and problem solving, it is advantageous for social scientists to understand the logic and basics of programming. Understanding the basics of the field of software engineering facilitates multidisciplinary collaboration. Social scientists equipped with basic programming skills are in head start in the job markets and have more tools to use for social scientific research and solving societally relevant issues.

Additional information

EN: Will be organised first time in academic year 24-25.

Study materials

EN: Will be informed later.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

VTS010800 Role of Software in Societies
VTS010800 Role of Software in Societies

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Anna Rantasila, Responsible teacher
	Erno Vanhala, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program. Some skills of programming (e.g. Python, R, JavaScript)

Learning outcomes

EN: After completing this course you will:
- understand how software impacts different aspects of society

- can reflect on the role of software development in different aspects of contemporary life

- recognise how questions of society and communication are related to themes in software engineering

- understand also the dark side of software engineering

learn to handle data to provide additional information

Content

EN: This course provides broad overview on how software impacts contemporary societies, and what role it plays in the current situation and future developments of environment, industries, work, leisure, and civil society. The course has visiting lecturers from different areas of Software Engineering, who conduct lectures and workshops.

Study materials

EN: Literature will be announced in the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

BH10A3000 Energy and Society
BH10A3000 Energy and Society

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	4 cr

Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LES, Energy Technology 100%
Responsible persons	Minna Loikkanen, Administrative person
	Eeva-Lotta Apajalahti, Responsible teacher
	Alicja Dankowska, Responsible teacher
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Tweet text

EN: The place of teaching: Lappeenranta; blended teaching

Learning outcomes

EN: Upon completion of the course the student will be able to:
1. perceive energy systems as sociotechnical systems
2. understand societal, political, historical and cultural aspects of energy system change
3. analyse how media mediates ongoing energy transition and what is the role of different actor groups such as corporate representatives, civic society, entrepreneurs, industry associations and politicians influence ongoing energy transition
4. argue and write own perspectives as experts and engage with wider societal discussions on some aspects of energy.

Content

EN: The course focuses on societal, political, historical and cultural perspectives on energy systems development and ongoing energy transition. The course's approach to the energy systems is sociotechnical, which means that social processes and human agency shape technology and energy system as much as technology and energy system shape social processes and everyday modern way of living. The six approaches of the course are 1) energy systems as sociotechnical systems, 2) historical approach to energy system change, 3) cultural framing of energy technology, 4) energy policy and actor groups, 5) energy citizenship, 6) power and interplay of energy market actors in energy field.

Additional information

EN: The course is held face-to-face at Lappeenranta campus. "Lectures" are based on pre-assignments, pair/group discussions and workshop type of tasks during the lecture meetings.
The course is primarily for students of Energy Technology, but it is open for other LES students as well as students from other LUT schools.

***

The course is related to UN's Sustainable Development Goals (SDG): 7 affordable and clean energy, 9 industry, innovation and infrastructure, 11 sustainable cities and communities, 16 peace, justice and strong institutions.

Study materials

EN: Materials are provided during the course

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 3. period-4. period	4 cr
Course Completion		4 cr
Method 2	Recurrence 1: 3. period-4. period	4 cr
Course Completion		4 cr

YTS012000 Solving Societal Challenges with Data
YTS012000 Solving Societal Challenges with Data

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Social Sciences 100%
Responsible persons	Tarja Pettinen, Administrative person
	Hanna-Mari Husu, Responsible teacher
	Jaana Laine, Responsible teacher
	Antti Puupponen, Responsible teacher
Study level	Intermediate studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Prerequisites

EN: Bachelor's degree or alike in an appropriate field in the social sciences or communication sciences that gives eligibility to enrol into the master's program.

Learning outcomes

EN: After completing this course, the students will:

- know where and how they can obtain open data,
- be able to assess the quality and restrictions of data sources,
- be aware of the opportunities of multidisciplinary collaboration,
- have experience in planning projects solving societal challenges.

Content

EN: Massive amount of data is generated every day by public and private organizations around the world. Digital footprints are collected as part of people's everyday lives and their everyday activities, for example when shopping online, browsing the internet, or using social media. Big data collected has attracted increasing attention over the recent years, and increasing amount of survey, register, and other traditional type of data are openly available. Much of this data remains unutilized, even though powerful analyses for solving societal challenges become possible. This course explores the opportunities and challenges of open data and the benefits of multidisciplinary approach to problem solving.

Additional information

EN: Will be organised first time in academic year 25-26.

Study materials

EN: Chen, S.H. (ed.) (2018). Big data in computational social science and humanities. Cham: Springer. Additional literature will be announced in the beginning of the course.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Course Completion		5 cr

BH60A4402 Sustainability in Socio-Technological context
BH60A4402 Sustainability in Socio-Technological context

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	6 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LES, Environmental Technology 100%
Responsible persons	Annukka Ilves, Administrative person
	Jarkko Levänen, Responsible teacher
	Miika Marttila, Responsible teacher
	Lassi Linnanen, Responsible teacher
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Tweet text

EN: Location: Lappeenranta

Equivalences (free text field)

EN: BH60A4400 Introduction to Sustainability

Learning outcomes

EN: After successfully completing the course, students are able to:
1) Outline the different dimensions of sustainability; ecological, social, economic and cultural,

2) Explain the interaction between the environment, society and business and the relationships, of various actors in these fields and their impacts on the society and the environment ,

3) Explain the core idea and thinking behind sustainability and its importance in order to limit or decelerate environmental damages and improve our quality of life while pursuing a more sustainable lifestyle and business within the planetary boundaries,

4) Apply practically the learned principles and concepts of sustainability in relation to current production and consumption habits,

5) Analyze environmental impacts of a product within a selected system,

6) Know and be able to apply different value-adding activities and tools that promote sustainability; and

7) Reflect on sustainability principles and desirably in thinking and lifestyles.

Content

EN: The general objective of the course is to provide a comprehensive overview on the concepts of sustainability, sustainable business, and sustainable transition. The course introduces global sustainability challenges that the planet and societies are facing due to human activities and natural causes. Sustainability challenges and their interconnections are learnt and understood in order to realize the need for the sustainability transition.

Additional information

EN: The course is based on independent digitalized studying supported by two lectures during the period 1.

Study materials

EN: Will be announced in Moodle.

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 1. period	6 cr
Course Completion		6 cr

BH60A7400 Climate.Now
BH60A7400 Climate.Now

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	2 cr
Languages	English
Grading scale	Pass-Fail
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LES, Environmental Technology 100%
Responsible persons	Sanni Väisänen, Responsible teacher
	Michael Child, Responsible teacher
	Annukka Ilves, Administrative person
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Learning outcomes

EN: The content and learning outcomes of the Climate Change course are based on:
- classifying climate change as a scientific phenomenon,
- explaining how it can be prevented (mitigation),
- summarizing how adaptation to it is possible.
In addition to discussing the scientific basis, the objectives of the course also include discussing the theme of climate change by:
- analyzing it as a global human challenge
- interpreting it as an ethical challenge to our understanding of human life
- commenting on it as a challenge related to the students' fields of study
- appraising it as a challenge regarding the students' personal roles as influencers

Content

EN: Introduction to Climate change: climate system, future of the climate, impacts, mitigation and adaptation, big issues, applied perspectives and assignments.
Students complete a Massive Open Online Course called Climate.now as well as specified additional assignments.

Additional information

EN: NOTE! BH60A7400 Climate.Now and BH60A5900 Climate Changeare alternative, both cannot be included in the degree!
***

Full digi

***

The course is related to the UN's Sustainable Development Goals (SDG):

1 no poverty

2 zero hunger

3 good health and well-being

4 quality education

5 gender equality

6 clean water and sanitation

7 affordable and clean energy

8 decent work and economic growth

9 industry, innovation and infrastructure

10 reduced inequalities

11 sustainable cities and communities

12 responsible consumption and production

13 climate action

Study materials

EN: To be provided on course Moodle pages.

Literature

https://digicampus.fi/login/index.php

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 3. period–4. period	2 cr
Course completion		2 cr
Method 2	Recurrence 1: 3. period–4. period	2 cr
Course completion		2 cr

BH60A7200 Circular.now
BH60A7200 Circular.now

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	3 cr
Languages	English
Grading scale	Pass-Fail
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LES, Environmental Technology 100%
Responsible persons	Sanni Väisänen, Responsible teacher
	Annukka Ilves, Administrative person
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Tweet text

EN: Location: Lappeenranta, Lahti, kokonaan verkossa / full digi

Learning outcomes

EN: After successfully completing the course, students are able to:
1. explain the targets of circular economy and understand possibilities to implement circular economy in different sectors,
2. understands capability of the selected products, production systems and services to fulfil the requirements of circular economy

Content

EN: Introduction to circular economy: circular economy aspects related to food systems, forest systems, product design, transportation sector and sharing economy.

Additional information

EN: ***The course is related to UN's Sustainable Development Goals (SDG):
7 affortable and clean energy, 9 industry, innovation and infrastructure, 11 sustainable cities and communities, 12 responsible consumption and production, 13 climate action.

NOTE! BH60A7200 Circular.Now and BH60A5401 Introduction to Circular Economy are alternative, both cannot be included in the degree!

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 1. period-Summer	3 cr
Course completion		3 cr
Method 2	Recurrence 1: 1. period-Summer	3 cr
Course completion		3 cr

BJ03A1011 Introduction to Water Treatment Technologies
BJ03A1011 Introduction to Water Treatment Technologies

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Chemical Engineering 100%
Responsible persons	Armi Rissanen, Administrative person
	Susana Rodriguez Couto, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Tweet text

EN: Location: Blending teaching; Mikkeli (contact teaching)

Prerequisites

EN: As an introductory course (with the 1st lecture on conventional water treatment technologies), Laboratory safety course (BJ02A0060) should be completed before participating in the laboratory sessions of the course.

Recommended prerequisites

BJ02A0060 Laboratory Safety Course

Equivalences (free text field)

EN: Replaces the course BJ03A1010 Introduction to Advanced Water Treatment, 5 ECTS

Learning outcomes

EN: By the end of the course, the student is expected to be able to: describe conventional and advanced biological, chemical and physical treatment of contaminated water and wastewater; and to suggest suitable treatment method(s) based on the composition of the water/ wastewater and the efficiency of the studied technology(ies).

Content

EN: Learning the principles of water treatment techniques such as biological methods, coagulation/flocculation, adsorption/ion exchange, advanced oxidation processes (AOPs), membrane technology, and electrochemical methods. Comparison of different water treatment techniques will be considered in the course from economic, environmental and technical perspectives. Problem-based learning (PBL) using real case scenarios will be conducted as a group work. Weekly homework assignments related to the topic of each week will be proposed (to be prepared individually or in groups).

Additional information

EN: Suitable for doctoral studies.
The course is related to UN's Sustainable Development Goals (SDG): 6 clean water and sanitation.

Study materials

EN: Lecture notes. Moodle. Literature from published scientific articles and from the teacher's own books.

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 1. period	5 cr
Course Completion		5 cr
Method 2	Recurrence 1: 1. period	5 cr
Course Completion		5 cr

CS30A1365 Sustainability-oriented innovation
CS30A1365 Sustainability-oriented innovation

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	3 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Industrial Engineering and Management 100%
Responsible persons	Nina Tura, Responsible teacher
	Armi Rissanen, Administrative person
Study level	Intermediate studies
Study field	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Tweet text

EN: Location: kokonaan verkossa / full digi

Prerequisites

EN: It is preferred that student has accomplished: Innovaatio- ja teknologiajohtamisen peruskurssi (Basics in innovation and technology management) or equivalent.

Learning outcomes

EN: The course aims to familiarize students with the concept of sustainability-oriented innovation and its applications to innovation management.
Aims:
After completion of the course, students will be able to:
1) Understand and explain the key concepts and theoretical principles related to sustainability and innovation.
2) To be able to examine the different types of sustainability-oriented innovations and companies executing such innovations.
3) Recognize and understand the characteristics of new emerging concepts, markets and business models (such as circular economy) having potential for sustainable value creation.
4) Critically examine sustainable value creation including possibilities for negative value creation (e.g. tensions and trade-offs)
5) To be able to critically analyze organizations' development and management requirements related to sustainability-oriented innovation.
6) To understand an apply practically learned principles and concepts in relation to innovation management practices and innovation processes.

Content

EN: The idea of the course is to learn and understand the links between innovation management and sustainability and familiarize students with the emerging concepts of sustainability-oriented innovation. The course aims to enhance the development of students' sustainability competences (e.g. critical and anticipatory thinking, collaboration, communication, strategic action and systems thinking) to be used in future decision-making.

Additional information

EN: Course utilizes Moodle-platform.
***
Opintojakso liittyy YK:n kestävän kehityksen tavoitteisiin (SDG): 8 ihmisarvoista työtä ja talouskasvua, 9 kestävää tuloksellisuutta ja innovaatioita ja infrastruktuureja, 11 kestävät kaupungit ja yhteisöt, 12 vastuullista kuluttamista, 13 ilmastotekoja, 17 yhteistyö ja kumppanuus

Study materials

EN: Recent academic literature and online lectures.

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 3. period	3 cr
⋮ Course Completion		3 cr
Method 2	Recurrence 1: 3. period	3 cr
⋮ Course Completion		3 cr

CS39A0090 Networks and ecosystems
CS39A0090 Networks and ecosystems

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	6 cr
Languages	English
Grading scale	General scale, 0-5

University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LENS, Industrial Engineering and Management 100%
Responsible persons	Satu Rinkinen, Responsible teacher
	Armi Rissanen, Administrative person

Study level	Intermediate studies
Study field	Fields of education (Ministry of Education and Culture), Engineering, manufacturing and construction

Tweet text

EN: Location: Lahti

Learning outcomes

EN: After completing the course the student understands the role of networks in innovation activity and innovation management. After the course the student is able to analyze and describe an organisation's role in business and innovation ecosystems, and to utilize the ecosystem-based view when planning and developing innovation activities.

Content

EN: The core content of the course includes:
- Network-based view on business and innovation

- Innovation networks

- Business and innovation ecosystem characteristics

- Ecosystems as affiliation and as a structure

- Ecosystem evolution

Study materials

EN: Materials will be informed and provided on the course's Moodle page.

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 3. period-4. period	6 cr
Course Enrolment		0 cr
Course Assessment		6 cr

A380A0300 Introduction to Digital Marketing
A380A0300 Introduction to Digital Marketing

Curriculum period	2024-2025
Validity period	since 1 Aug 2024

Credits	3 cr
Languages	English
Grading scale	General scale, 0-5

University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LBS, Business Administration 100%
Responsible persons	Liisa-Maija Sainio, Responsible teacher
	Suvi Tiainen, Administrative person

Study level	Intermediate studies
Study field	Fields of education (Ministry of Education and Culture), Business, administration and law

Tweet text

EN: Location: Lappeenranta

Learning outcomes

EN: After completing the course, the student should be able to:
1. Define the key concepts of digital marketing.

2. Evaluate suitable digital marketing communication tactics to attract, convert, retain and grow customers.

3. Analyze digital analytics data and make data-driven insights.

Content

EN: Web design, conversion optimization, content marketing search engine optimization, online advertising, social media marketing, web analytics.

Study materials

EN: Articles and online material informed/provided by the lecturer

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 4. period	3 cr
Course Completion		3 cr
Method 2	Recurrence 1: 4. period	3 cr
Course Completion		3 cr

A130A0551 Organizational Behaviour
A130A0551 Organizational Behaviour

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	6 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LBS, Business Administration 100%
Responsible persons	Anna-Maija Nisula, Responsible teacher
	Suvi Tiainen, Administrative person
Study level	Intermediate studies
Study field	Fields of education (Ministry of Education and Culture), Business, administration and law

Tweet text

EN: Location: full digi

Learning outcomes

EN: The goal of the course is to familiarize students with the organizational behavior as a theoretical phenomenon. The course focuses on human behavior, factors affecting human behavior and consequences of human behavior in organizations.
After completing the course students should be able to:

- define the key concepts of organizational behavior and identify these concepts by definition

- understand and describe the key theoretical entities that are composed by the association of the basic concepts.

Content

EN: The course targets on human behavior in organizations as an individual, team and organizational level phenomenon, all of which are interconnected. At the *individual level*, the central themes are personality, psychological capital and values, perceptions and decision making, attitudes, motivations and moods and emotions. At the *group or team level*, the central themes concern management of teams or groups of people, role of group dynamics, power and politics as well as conflicts and negotiation for team behavior. At the *organizational level*, the central themes concern organizational structure, culture, and change. As groups and organizations constitute of individuals it is important to understand individual behaviors, which have an influence to the behaviors of other individuals (groups and organizations) and vice a versa, group and organizational factors have an influence on individual's behavior.

Additional information

EN:
This course is on-line course and emphasizes students'; self-directed learning via Moodle assignments

Study materials

EN: 1. Robbins, S. P. ; Judge, T. A. (2009). Organizational Behavior. 13th Edition, New Jersey: Pearson/Prentice Hall.
2. Materials announced by the lecturer.

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 3. period-4. period	6 cr
Course Completion		6 cr
Method 2	Recurrence 1: 3. period-4. period	6 cr
Course Completion		6 cr

A350A0501 Sustainable Strategy
A350A0501 Sustainable Strategy

Curriculum period	2024-2025
Validity period	since 1 Aug 2024
Credits	6 cr
Languages	English
Grading scale	General scale, 0-5
University	Lappeenranta-Lahti University of Technology LUT
Responsible organisation	LBS, Business Administration 100%
Responsible persons	Anni Tuppura, Responsible teacher
	Suvi Tiainen, Administrative person
	Paavo Ritala, Responsible teacher
Study level	Basic studies
Study field	Fields of education (Ministry of Education and Culture), Business, administration and law

Tweet text

EN: Location: Lappeenranta

Learning outcomes

EN: This course concentrates on the topical phenomena and concepts related to the creation and development of sustainable strategy in organisations. In particular, the focus is on the intersection of firm strategy and economic, social, and environmental dimensions of sustainability. These topics are investigated

both from the viewpoints of academic research and practical relevance. Students will learn to discuss and synthesize the relevant academic evidence, examine the links of contemporary topics to previous research and assess the practical relevance of the issues through concrete examples. The learning outcomes of the course are the following:

1. To assess the topic of sustainable strategy in the firm level as well as within the broader institutional context from both academic and practitioner perspectives.
2. To discuss and debate on different and conflicting perspectives regarding sustainability in business.
3. To be able to analyze the practical relevance of sustainable business strategy.

Content

EN: The content of the course is based on topical issues related to sustainable strategy from different approaches, e.g., sustainable strategy and sustainable business models, and strategic opportunities and challenges of circular and regenerative economy. Thematic lectures in the beginning of the course introduce the central concepts. After that the students start to accumulate deeper understanding on a chosen topic by familiarizing to literature and conducting an essay. During the second half of the course the students will be working in groups of four to conduct research on sustainable strategy issue. Interactive workshop and seminars are organized to discuss the individual and group assignments.

Additional information

EN: Blended learning
***

The course is related to UN's Sustainable Development Goals (SDG): 8 decent work and economic growth, 9 industry, innovation and infrastructure, 12 responsible consumption and production

Study materials

EN: Mainly academic literature related to the subjects of the assignments. In addition lecture materials, practitioner-oriented articles, videos, and podcasts on sustainable business provided in Moodle.

Completion method and assessment items	Recurrence	Credits
Method 1	Recurrence 1: 1. period	6 cr
Course Completion		6 cr