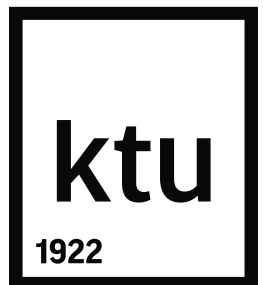# Education for Sustainable Development: Example from KTU

Prof. Linas Kliučininkas

Kaunas University of Technology (KTU), Lithuania
Course: Sustainable Development, 6 credit points
Coordinator: Prof. Eglė Staniškienė, egle.staniskiene@ktu.lt
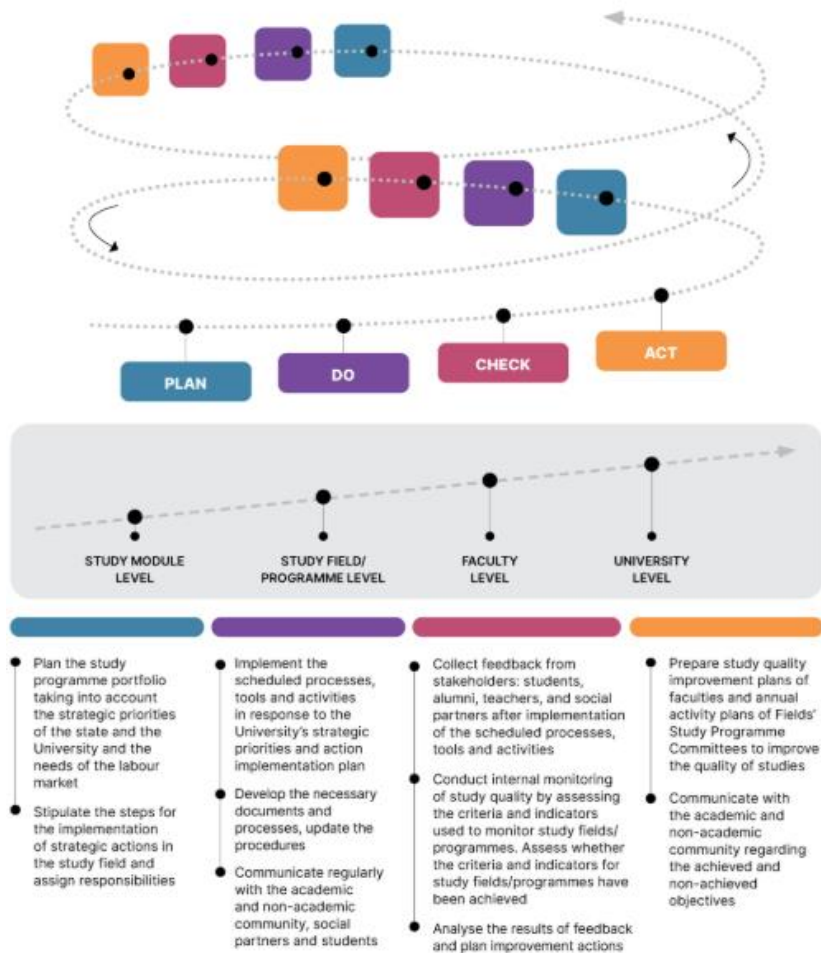
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Relevance of the course

Why this course was developed?

KTU aims to develop the following general competences of students:

o critical / analytical thinking;

o creativity and communication;

o collaboration and problem solving skills;

o entrepreneurship and citizenship.

Aim of the course

Global awareness
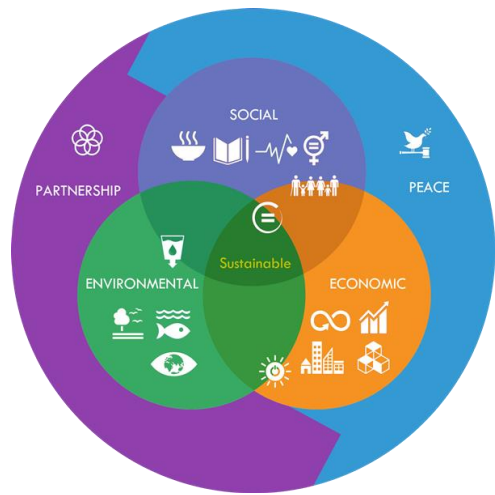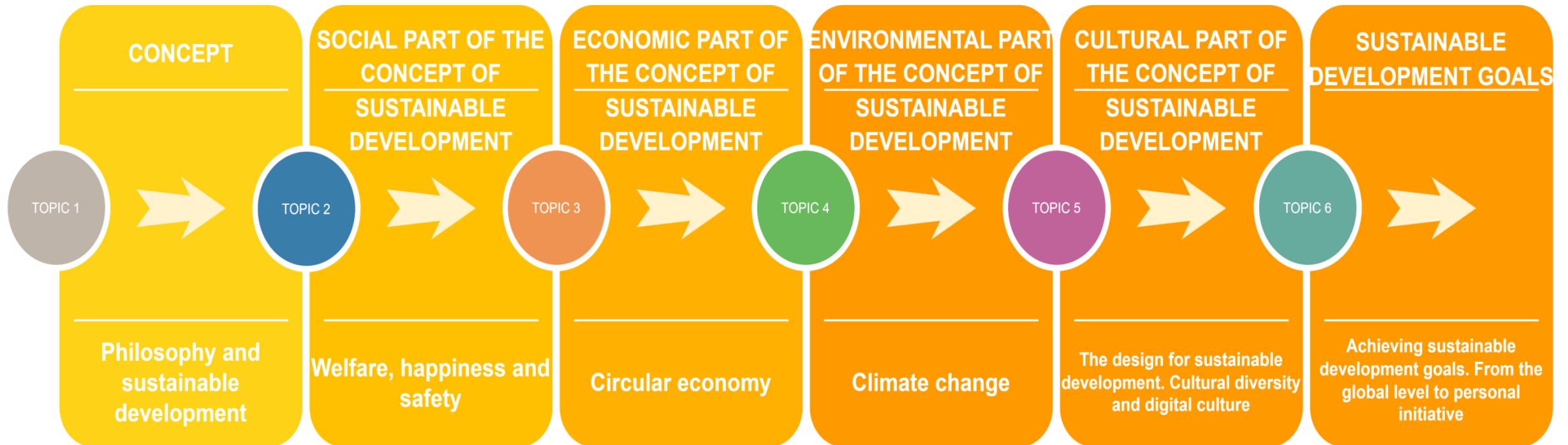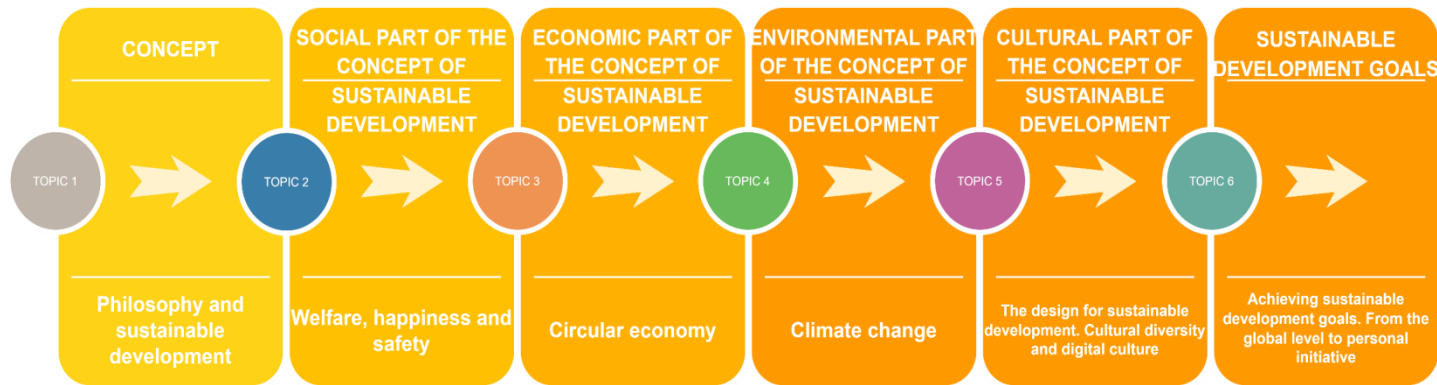
Obtain global, critical and reflective awareness of the social, economic, cultural and environmental context, in which the graduate will act, **educate conseptual and ethical position** based on the principles of sustainable development.

Topics of the course

TOPIC 1	TOPIC 2	TOPIC 3	TOPIC 4	TOPIC 5	TOPIC 6
CONCEPT	SOCIAL PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	ECONOMIC PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	ENVIRONMENTAL PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	CULTURAL PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	SUSTAINABLE DEVELOPMENT GOALS
Philosophy and sustainable development	Welfare, happiness and safety	Circular economy	Climate change	The design for sustainable development. Cultural diversity and digital culture	Achieving sustainable development goals. From the global level to personal initiative

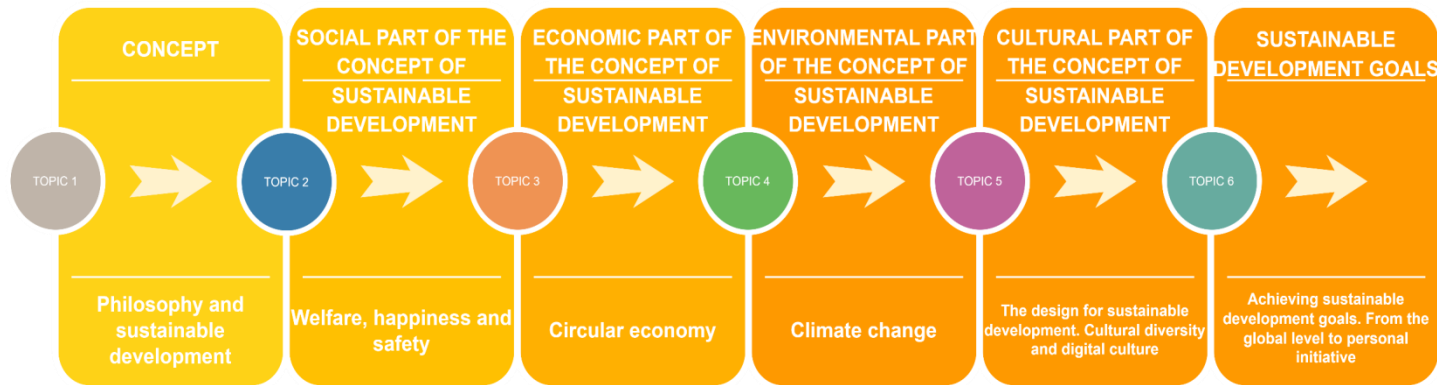| CONCEPT	SOCIAL PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	ECONOMIC PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	ENVIRONMENTAL PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	CULTURAL PART OF THE CONCEPT OF SUSTAINABLE DEVELOPMENT	SUSTAINABLE DEVELOPMENT GOALS
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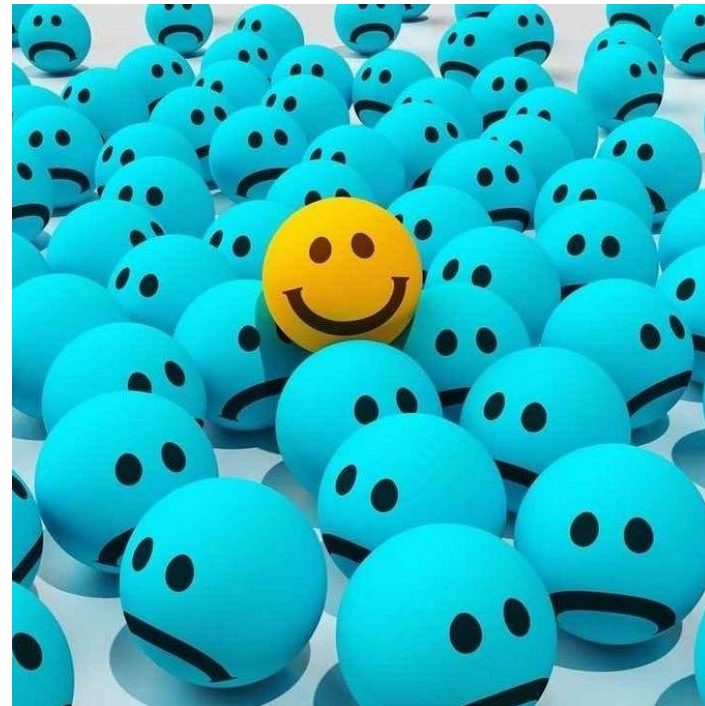# TOPIC 1. Philosophy and Sustainable Development

1. What is PHILOSOPHY?
2. What is the relationship between philosophy and sustainable development?
3. Why is there sustainable development without philosophy?
4. What are the transformations brought about by new technologies in today's society and culture?

1. What are the challenges regarding resources, populations, or social that todays' society is facing?
2. What is SUSTAINABLE DEVELOPMENT? How is this concept defined?
3. Why are sustainable development principles important for future decision-making?
4. What are the key elements of the concept of sustainable development and how do they relate to each other?
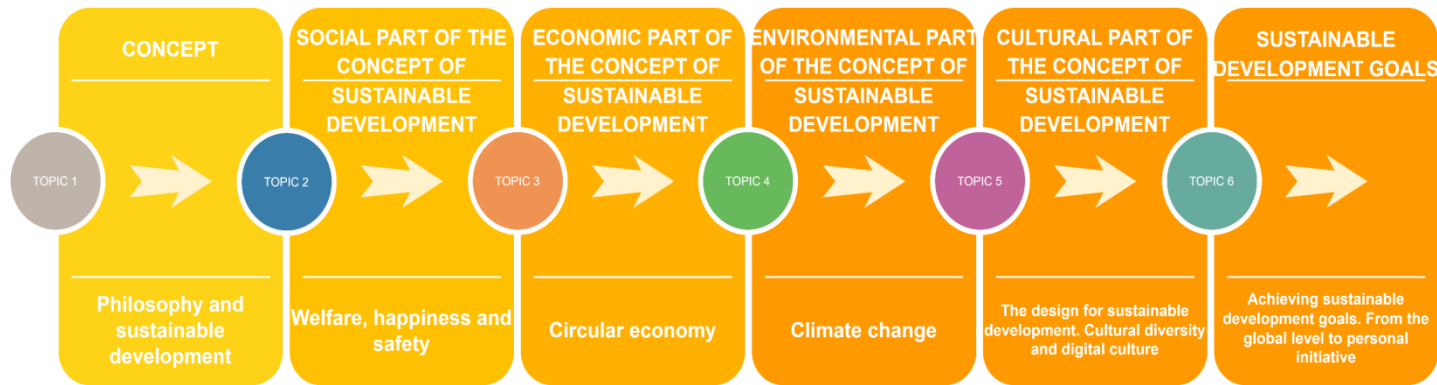5. Can people's personal (local) decisions cause or influence global change?

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TOPIC 2. Welfare, happeness and safety

1. What is SOCIAL WELFARE?
2. What is Individual Happiness?
3. What determines happiness and well-being?
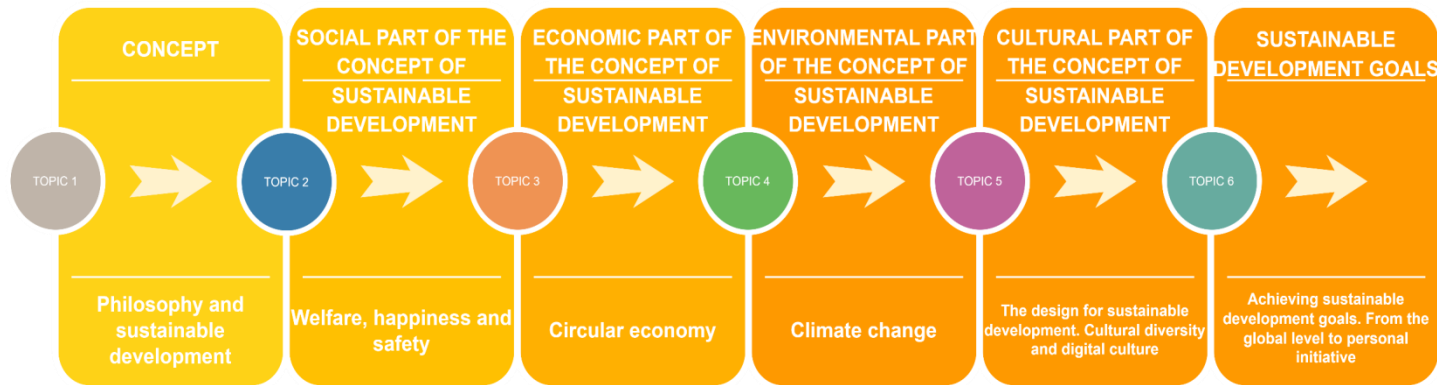4. What are the future challenges and trends?
5. What can I do?

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TOPIC 3. Circular Economy

1. What is the Circular Economy and how is it different from other economies?
2. What is the national economic development strategy based on the principles of the circular economy?
3. How does the circular economy manifest itself in industries, companies?

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TOPIC 4. Climate Change

1. Why climate is changing?
2. What are concequences of climate change?
3. What areas of human activity the most effect climate change?
4. What are the main provisions of the Paris Agreement?
5. What personal choices are most effective in mitigating climate change?

TOPIC 5. Design for SD, cultural diversity and digital culture
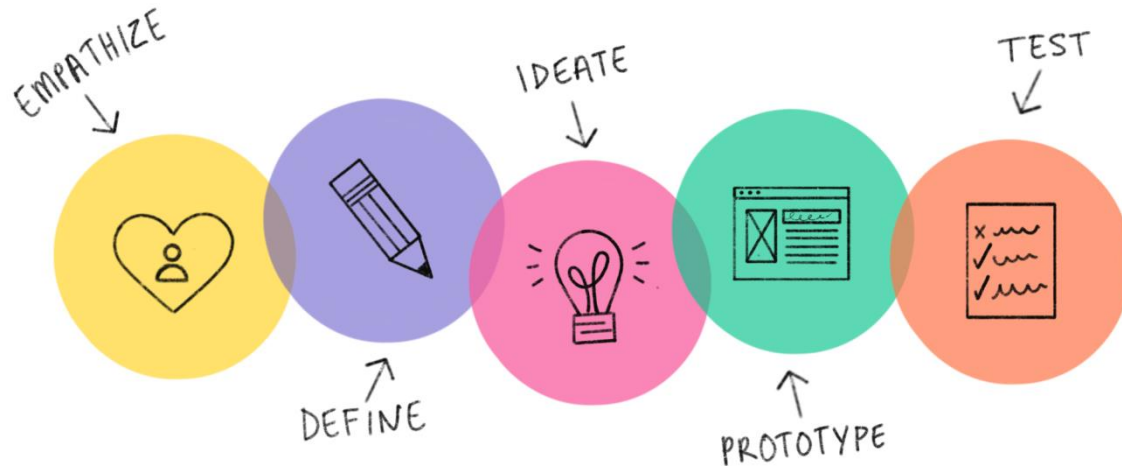
1. What is DESIGN?
2. What is the role of culture in technological development?
3. What is the role of design in sustainable development?
4. What is a design oriented mindset and why is it important?

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TOPIC 6. Achieving SD goals: from the global level to personal initiatives

Goals
1: Eradicate poverty
2: Food
3: Health
4: Education
5: Gender equality
6: Water
7: Energy
8: Economy
9: Infrastructure
10: Reduce inequality
11: Cities
12: Sustainable production
13: Climate
14: Oceans
15: Biodiversity
16: Institutions
17: Implementation
Levels of achievement to be attained by 2030

1. How do sustainable development issues and their levels differ between regions?
2. What are Lithuania's priorities for sustainable development?
3. Why the UN's 2030 Agenda for Sustainable Development is important at the national level?
4. How can the Sustainable Development Goals be implemented at city level?
5. How can each of us contribute to the goals of sustainable development?

Organisation of teaching/learning

How many hours will I be expected to study?

Theoretical lectures – 16 hours (stream lectures)

Practical exercises/seminars/workshops – 42 hours (small groups)

Laboratory works – 6 hours (the same groups and teacher as in the exercises)

Individual work – 96 hours

Keep track of your schedule and check your KTU email!

Structure, organization and assessment of the module

All the necessary information will be provided in MOODLE

You can contribute to improving the information provided in the MOODLE environment!

Tell the lecturer what information you can't find, how to give it to you in a more understandable way.

Attendance
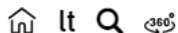
University terminology and processes

STUDY PROGRAMME	STUDY MODULE	STUDY CREDIT	THE ASSESSMENT SYSTEM	THE QUALITY OF STUDIES	TUITION FEES
TIME OF LECTURES	ATTENDANCE				

Students' participation in the classes of the modules is obligatory: in laboratory works – 100%, in practical classes – min. 80%, in theoretical classes – min. 60%.

The teacher sets specific attendance requirements that are introduced to students during the first class of the module.

The attendance requirements are provided in the description of each study module. Check AIS > "Studies" > "Individual study plan".

/ Paskaitos: privalomas dalyvavimas ne

Dalyvavimo modulio užsiėmimuose reikalavimai anglų kalba
Laisvai įvedamas tekstas
Practical works: mandatory attendance at least in 90% of the classes. // Lectures: mandatory attendance at least in 90% of the classes.

Assessment of academic achievements
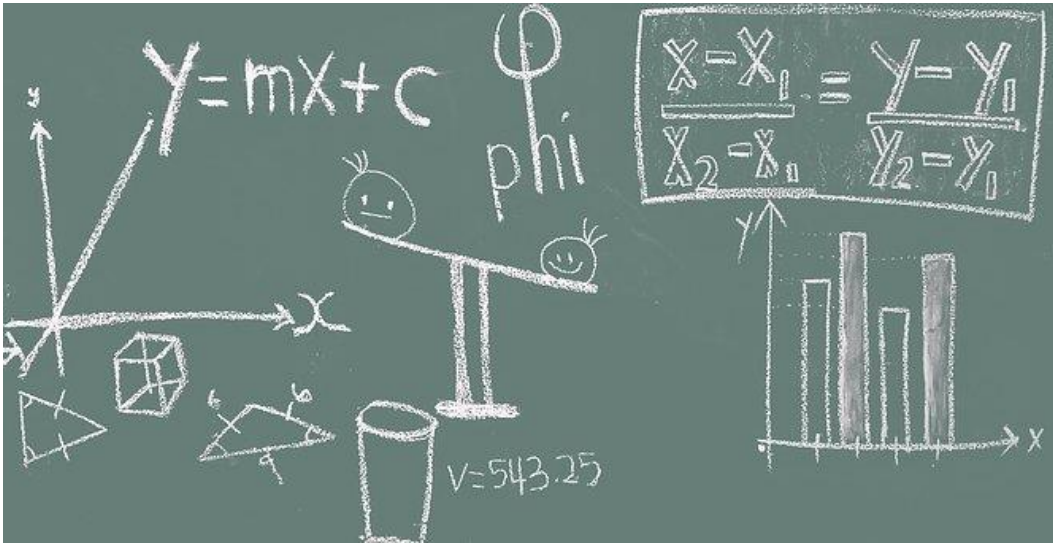
Final evaluation consists of

- midterm exam (20%)
- solving problematic tasks (40%, four evaluated tasks 10% each)
- laboratory work (design thinking) report (10%)
- exam (30%)

Questions and answers

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