

**Title of the study course**  
Sustainable development and green thinking

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LAIS code	
Evaluation	Test
Academic credit points (ECTS credit points)	1,5 ECTS
Total number of contact lessons	8
Number of lessons	8
Number of practical lessons	
Necessary knowledge	Chemistry, biology, natural sciences at the high school level
Part of the study programme	General education study courses

**Aim of the study course**

The aim of the study course is to create an overall knowledge of the meaning of the sustainable development and environmental policy management, promoting the knowledge about the anthropogenic impact, substantiality and development.

**Results**

At the end of the study course student:

- shall understand the definition “sustainable development”, it`s meaning in terms of the integration of economic growth, society and environmental policy management for the maintenance of the sustainable development, student may express an opinion and participate in discussions on general principles, problems and best solutions in environmental protection;
- may assess general environmental, economic and social problems as well as has the general knowledge of the state of environment of Latvia and Europe (partly also worldwide), may identify the local and national resources and has the knowledge about the definition “environmental ethics” through “green thinking” prism.

**Student`s work organisation**

Student`s work organisation covers:

- Regular self-studying, using different literature sources and electronical sources;
- Final test through *Moodle*.

## Evaluation of the results

Final result consists of:

- Work in lectures (different practical tasks) for learning 10%;
- Final test through *Moodle* 90%.

## Content of the study course

No.	Theme
1.	Sustainable development, it`s meaning in the daily life. EU-27 environmental policy aims (targets).
2.	Circular economy, it`s elements. What keywords are under the title “Sustainable development”?
3.	Definition of the sustainable development Ecological footprint Globalisation and globalism
4.	Definition of the sustainable development – <i>continuation</i> International organisation`s and country`s role to maintain the sustainable development Private sector`s role to maintain the sustainable development Air pollution Water pollution Migration Country`s BTI index Climate changes
5.	NGO`s role to maintain the sustainable development Environmental problems
6.	Environmental ethics Environmental rights (law) Green thinking Environmental protection
7.	Environmental policy of Latvia Environmental policy management (Latvia)
8.	Final test – through <i>Moodle</i>

## Study course plan

No.	Theme	Type (lectures, workshops, practical exercises (including laboratory), number of academic h
1.	Sustainable development, it`s meaning in the daily life. EU-27 environmental policy aims (targets).	lecture, workshop
2.	Circular economy, it`s elements. What keywords are under the title “Sustainable development”?	lecture, circular economy game
3.	Definition of the sustainable development Ecological footprint Globalisation and globalism	lecture, ecological footprint measurement, discussion

No.	Theme	Type (lectures, workshops, practical exercises (including laboratory), number of academic h
4.	Definition of the sustainable development – <i>continuation</i> International organisation`s and countrie`s role to maintain the sustainable development Private sector`s role to maintain the sustainable development Air pollution Water pollution Migration Countrie`s BTI index Climate changes	lecture
5.	NGO`s role to maintain the sustainable development Environmental problems	lecture, discussion
6.	Environmental ethics Environmental rights (law) Green thinking Environmental protection	lecture, creation of the portrait of the user (society)
7.	Environmental policy of Latvia Environmental policy management (Latvia)	lecture
8.	Final test – <i>Moodle</i> test	<i>Moodle</i> test

#### Basic literature:

1. Römeczyk, E. 2007. Gribam ilgtspējīgu attīstību. Aģentūra DUE, Rīga.
2. Kļaviņš, M., Nikodemus, O., Segliņš, V., Melecis, V., Vircavs, M., Āboliņa, K. 2008. Vides zinātne. LU akadēmiskais apgāds, Rīga.
3. Kļaviņš, M. 2009. Vides piesārņojums un tā iedarbība. LU Akadēmiskais apgāds, Rīga.
4. Ingrems, D.B., Pārksa, Dž.E. 2011. Ceļvedis ētikā. Dienas grāmata, Rīga.
5. Strautmanis, J. 2003. Vides ētika un vides tiesības. Zvaigzne ABC, Rīga.

#### Additional literature (elektronik references):

1. Environmental Scienceandtechnology: <http://pubs.acs.org/journals/esthag>
2. Journal of Environmental Protection <http://www.scirp.org/journal/jep/>
3. American Journal ofEnvironmental Protection  
<http://www.sciencepublishinggroup.com/j/ajep>
4. Environment Protection Engineering  
<http://www.journals4free.com/link.jsp?l=1725683>
5. International Journal of Environmental Science and Technology (zinātnisko publikāciju kopsavilkumi)  
<https://www.springer.com/gp/environmental-sciences/sustainable-development>
6. Science of The Total Environment (zinātnisko publikāciju kopsavilkumi)  
<http://www.sciencedirect.com/science/journal/00489697>
7. Website of the Ministry of Environmental Protection and Regional Development of

the Republic of Latvia

<http://www.varam.gov.lv>

8. Faculty of the Geography and Earth Sciences of the University of Latvia

<https://www.lu.lv/videsizglitiba/konferences/konference-vides-izglitiba-ilgtspejigai-attistibai/>

9. European Commission Integrated Pollution and Prevention Bureau

<https://eippcb.jrc.ec.europa.eu/>

10. European Commission "Green deal"

[https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal\\_en](https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_en)

11. Ecological Footprint calculator [www.footprintcalculator.org](http://www.footprintcalculator.org)