

# Module 1. “COMPLEX RISK ASSESSMENT OF WASTE DISPOSAL”

Environmental, social, and economic risks

3ECTS

University of Tyumen

## Course description:

### Main topics:

1. Environmental safety of the population. Public health.
2. Identification and assessment of economic risks.
3. GIS support of the risk assessment procedure and modeling.

### Learning outcomes:

- can identify ecological, economic and social risks;
- can assess the probability of negative effects using statistic, analytical and expert methods;
- can assess ecological situation for territory;
- can assess harm to population health and life using social-hygienic monitoring;
- can assess harm to components of environment;
- can use legislation framework for risk assessment;
- can use soft modelling methods of environmental pollution.

## Piloting results

*Details:* Time frame: November, 2019 – December, 2019 (Platform Eliademy). Participants: master and bachelor students. Time frame: Since March, 2020 (Platform Stepik). Participants: master students.

### Feedback received:

Most feedbacks were positive and stated the high quality of course and tasks, never the less some students faced technical problems (because of the closing of the Eliademy platform) and wanted an introduction to the ERA as a first topic.

### What we learned:

- How to make video lectures (<https://videos.mysimpleshow.com/hhPbaEQN2i>)
- How to make posters (Canva)
- How to organize syllabi (competences, learning outcomes, topic lists, grading systems, and assessment procedures)
- New different types of tasks (<https://stepik.org/course/66228/promo>)
- New platforms for communication with the audience (Mentimeter, Answergarden, and Kahoot)



Valiadolid. Sun energy for E-cars. Shymkent. Dual Waste collection.

Tyumen. Stekloteckh plant.



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