



Funded by
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Technical University of Liberec



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CERTIFICATE

registration number 2025/37

Yelyzaveta Berezhna

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

Learning outcomes:

- ✓ Ability to make decisions in crisis situations
- ✓ Ability to stay on the path of sustainable development in conditions of limited resources
- ✓ Generate sustainable solutions to overcome challenges and seize opportunities in the face of multiple crises
- ✓ Synthesise sustainable multi-approach solutions for different sectors.
- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course 'Sustainable ways and risk management in times of crisis'. Total programme volume for ECTS: 102

Topic/developing university	Amount of time		
	total	in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskiy State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30



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the European Union



Technical University of Liberec



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CERTIFICATE

registration number 2025/36

Vitalina Konieva

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

Learning outcomes:

- ✓ Ability to make decisions in crisis situations
- ✓ Ability to stay on the path of sustainable development in conditions of limited resources
- ✓ Generate sustainable solutions to overcome challenges and seize opportunities in the face of multiple crises
- ✓ Synthesise sustainable multi-approach solutions for different sectors.
- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course 'Sustainable ways and risk management in times of crisis'. Total programme volume for ECTS: 102

Topic/developing university	Amount of time		
	total	in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskyi State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30



Funded by
the European Union



Technical University of Liberec



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CERTIFICATE

registration number 2025/32

Kamenieva Anastasiia

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

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- ✓ Generate sustainable solutions to overcome challenges and seize opportunities in the face of multiple crises
- ✓ Synthesise sustainable multi-approach solutions for different sectors.
- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course ‘Sustainable ways and risk management in times of crisis’. Total programme volume for ECTS: 102

Topic/developing university	Amount of time		
	total	in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskyi State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30



Funded by
the European Union



Technical University of Liberec



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CERTIFICATE

registration number 2025/31

Ogненко Artur

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

Learning outcomes:

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- ✓ Ability to stay on the path of sustainable development in conditions of limited resources
- ✓ Generate sustainable solutions to overcome challenges and seize opportunities in the face of multiple crises
- ✓ Synthesise sustainable multi-approach solutions for different sectors.
- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course 'Sustainable ways and risk management in times of crisis'. Total programme volume for ECTS: 102

Topic/developing university	Amount of time		
	total	in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskyi State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30



Funded by
the European Union



Technical University of Liberec



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CERTIFICATE

registration number 2025/30

Sasina Vladyslava

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

Learning outcomes:

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- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course 'Sustainable ways and risk management in times of crisis'. Total programme volume for ECTS: 102

Topic/developing university	total	Amount of time in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskyi State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30



Funded by
the European Union



Technical University of Liberec



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CERTIFICATE

registration number 2025/29

Viktoriia Bozhko

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

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- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course 'Sustainable ways and risk management in times of crisis'. Total programme volume for ECTS: 102

Topic/developing university	Amount of time		
	total	in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskyi State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30



Funded by
the European Union



Technical University of Liberec



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CERTIFICATE

registration number 2025/28

Shapovalova Anna

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

Learning outcomes:

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- ✓ Generate sustainable solutions to overcome challenges and seize opportunities in the face of multiple crises
- ✓ Synthesise sustainable multi-approach solutions for different sectors.
- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course 'Sustainable ways and risk management in times of crisis'. Total programme volume for ECTS: 102

Topic/developing university	Amount of time		
	total	in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskyi State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30



Funded by
the European Union



Technical University of Liberec



Trans
LearnN

CERTIFICATE

registration number 2025/27

Bessmertna Diana

from 24 March to 28 March 2025

has successfully completed the course 'Sustainable pathways and risk management in times of crisis' | «Сталі шляхи та управління ризиками в умовах криз»

As part of non-formal education in an interdisciplinary programme of the Erasmus+ Project Number: 2023-1-DE01-KA220-HED-000157119 entitled Transformational Learning Network for Resilience - Enabling Ukrainian higher education to ensure a sustainable and robust reconstruction of (post-war) Ukraine (TransLearnN).

Learning outcomes:

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- ✓ Generate sustainable solutions to overcome challenges and seize opportunities in the face of multiple crises
- ✓ Synthesise sustainable multi-approach solutions for different sectors.
- ✓ Combine different administrative and managerial skills to support interdisciplinary synthesis of sustainable solutions.

Liberec, 11.04.2025

Angela Dichte

Project coordinator

Eng. Katarzyna Łoś, PhD.

Spring School coordinator

Prof. Natalia Vnukova

Course coordinator



The programme of non-formal education for the course 'Sustainable ways and risk management in times of crisis'. Total programme volume for ECTS: 102

Topic/developing university	Amount of time		
	total	in particular	
		classroom/off-line classes	individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності / <i>Ukrainian National Forestry University (Lviv, Ukraine)</i>	6	2	4
Environmental risk management / Управління екологічними ризиками/ <i>Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)</i>	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / <i>Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)</i>	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків / <i>State Higher Education Institution «Pryazovskiy State Technical University» (Mariupol, Ukraine)</i>	6	2	4
Application of a risk-based approach to build models of emergencies and their development / Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій / <i>National Transport University (Kyiv, Ukraine)</i>	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій / <i>Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)</i>	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ <i>Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)</i>	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-
The certification exam	2	2	2
UNITED:	50	22	30