



IMPLEMENTATION OF CENEAST PROJECT RESULTS IN NTUU “KPI”



Tempus

Building Information Modelling (BIM) (BSc/ specialists/ MSc)



- **Computer-mathematical modeling and design of underground structures**

(8,5 ECTS credits)

Natalia Zuyevska, Doctor of Sc., Full Professor

- **Buildings energy efficiency methods analysis**

(4,5 ECTS credits)

Valerii Deshko, Doctor of Sc., Full Professor

- **Applied problems of energy saving**

(5 ECTS credits)

Ievgen Severyn

NTUU “KPI”



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Natalia Zuyevska





Tempus

Valerii Deshko





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Ievgen Severyn





Tempus

Climate, architecture and energy saving (MSc)



- **Energy saving and energy management**

(5,5 ECTS credits)

Galina Strelkova, Ph.D., Assoc. Prof.

- **Buildings energy efficiency methods analysis**

(4,5 ECTS credits)

Gennadiy Farenjuk, Doctor of Sc., Full Professor,
Valerii Deshko, Doctor of Sc., Full Professor

NTUU “KPI”



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Galina Strelkova





Tempus

Construction materials for sustainable built environment (BSc/ specialists/ MSc)



- **Materials and foundation of construction business. 1. Materials.**

(4,5 ECTS credits)

Natalia Zuyevska, Doctor of Sc., Full
Professor



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Natalia Zuyevska, Victor Kravec





Tempus

Energy audit for buildings (BSc/ specialists)



- **Energy audit**

(6 ECTS credits)

Volodymyr Prokopenko, Ph.D., Assoc. Prof.

Anatoliy Cherniavsky, Ph.D., Assoc. Prof.

Oleg Zakladnoy, Ph.D., Assoc. Prof.

- **Energy saving in buildings and constructions**

(4 ECTS credits)

Maryna Shovkaliyk, Ph.D., Assoc. Prof.,

- **Buildings energy efficiency methods analysis**

(4,5 ECTS credits)

Gennadiy Farenjuk, Doctor of Sc., Full Professor,

Valerii Deshko, Doctor of Sc., Full Professor

NTUU “KPI”



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Volodymyr Prokopenko





Oleg Zakladnoy





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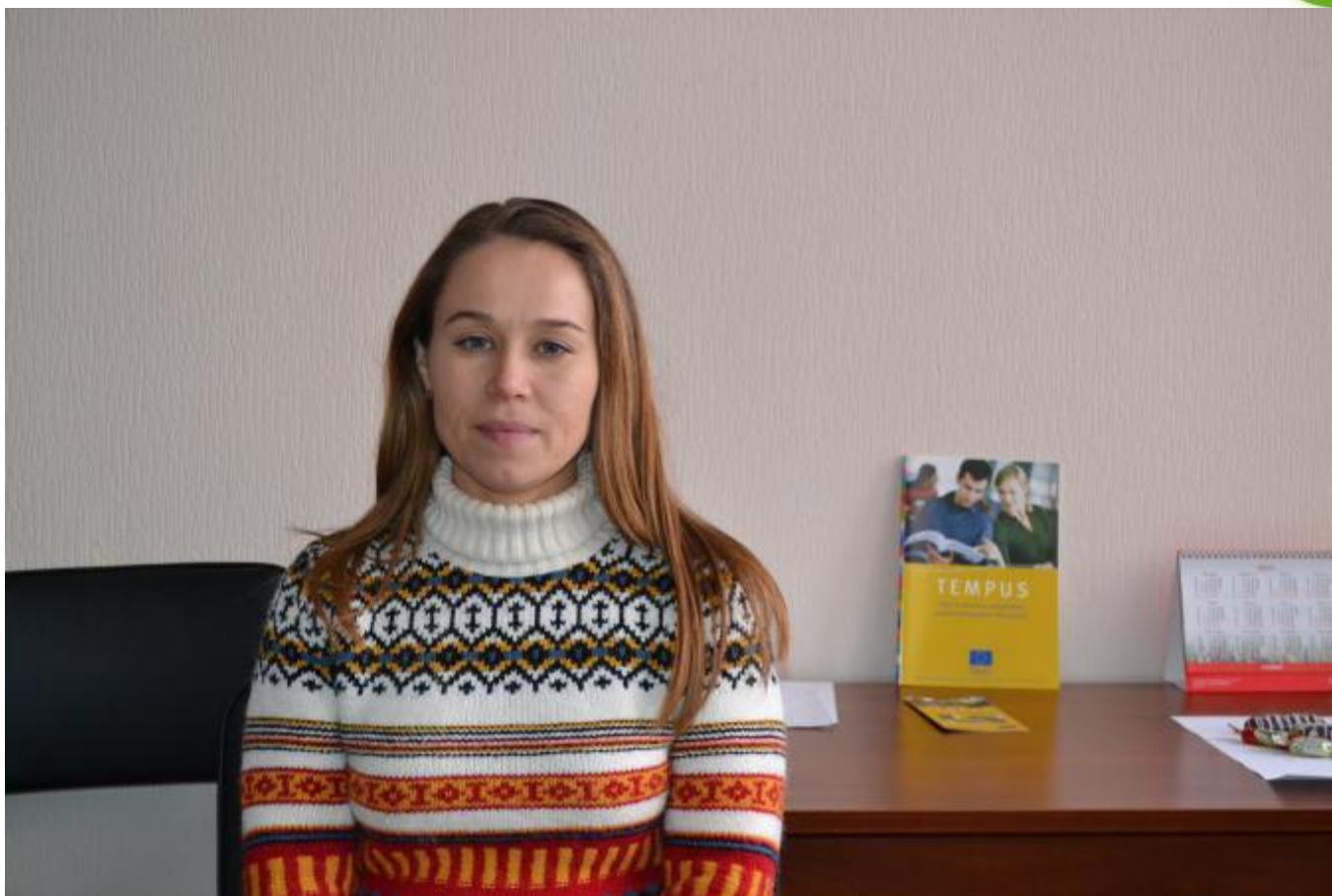
Anatoliy Cherniavsky





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Maryna Shovkaliyk





Tempus

Energy efficiency in engineering systems (BSc/ specialists)



- **Buildings energy efficiency methods analysis**

(4,5 ECTS credits)

Gennadiy Farenjuk, Doctor of Sc., Full Professor,

- **Methods of energy efficiency control**

(4,5 ECTS credits)

Valerii Deshko, Doctor of Sc., Full Professor

Volodymyr Nakhodov, Ph.D., Assoc. Prof.

- **Information and communications in enterprise**

(5 ECTS credits)

Oleg Kotsar, Ph.D., Assoc. Prof.

- **Energy saving in buildings and constructions**

(4 ECTS credits)

Maryna Shovkaliyk, Ph.D., Assoc. Prof.,
Iryna Sukhodub

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Volodymyr Nakhodov





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Oleg Kotsar





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Energy efficiency in built environment (MSc)



- **Energy saving and energy management**

(5,5 ECTS credits)

Galina Strelkova, Ph.D., Assoc. Prof.

- **Buildings energy efficiency methods and analysis**

(4,5 ECTS credits)

Gennadiy Farenjuk, Doctor of Sc., Full Professor,

Valentyna Splavska

- **Energy saving in buildings and constructions**

(4 ECTS credits)

Maryna Shovkaliyk, Ph.D., Assoc. Prof.

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Volodymyr Prokopenko,
Galina Strelkova





Tempus

Geographical Information Systems (GIS) (BSc/ specialists/ MSc)



- **GIS for mining**

(2 ECTS credits)

Victor Kravec, Doctor of Sc., Full Professor.

- **Information and communications in enterprise**

(5 ECTS credits)

Oleg Kotsar, Ph.D., Assoc. Prof.

NTUU “KPI”



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Victor Kravec





Tempus

Introduction to Environmental Quality, Human Health and the Built Environment (BSc/ specialists/ MSc)



- **Occupation and Human Safety**

(1,5 ECTS credits)

Angela Piatova, Ph.D., Assoc. Prof.

NTUU “KPI”



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Angela Piatova





Tempus

Introduction to renewable energy (BSc/ specialists)



- **Power systems and complexes 3. Nontraditional and Renewable energy sources**

(4 ECTS credits)

Viktoriya Dubrovskaya, Ph.D., Assoc. Prof.

Maryna Biriukova-Stefaniuk



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Viktoriya Dubrovskaya





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Life cycle of the sustainable built environment (MSc)



- **Energy saving and energy management**

(5,5 ECTS credits)

Galina Strelkova, Ph.D., Assoc. Prof.



Yurii Rasko ,
Volodymyr Nakhodov,
Galina Strelkova,
Oleg Kotsar





Tempus

Network analysis for local system (MSc)



- **Information and communications in enterprise**
(5 ECTS credits)
Viktoriya Dubrovskaya, Ph.D., Assoc. Prof.
Maryna Biriukova-Stefaniuk



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Volodymyr Nakhodov,
Galina Strelkova,
Oleg Kotsar





Tempus

Renewable energy applicable in construction and operation of buildings and structures (MSc)



- **Power systems and complexes 3. Nontraditional and Renewable energy sources**

(4 ECTS credits)

Viktoriya Dubrovskaya, Ph.D., Assoc. Prof.

Maryna Biriukova-Stefaniuk

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Oksana Vovk,
Kostiantyn Tkachuk





Tempus

Sustainable renovation of houses (BSc/ specialists)



- **Reconstruction of underground enterprises**

(6 ECTS credits)

Natalia Zuyevska, Doctor of Sc., Full
Professor



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Natalia Kravchuk,
Irina Prokopenko,
Galina Strelkova





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Technogenic problems in 21 st century (MSc)



- **Ecological safety**

(4,5 ECTS)

Oksana Vovk, Ph.D., Assoc. Prof.,
Natalia Nauchu

- **Occupation and Human Safety**

(1,5 ECTS)

Angela Piatova, Ph.D., Assoc. Prof.

- **Civil Protection**

(1 ECTS)

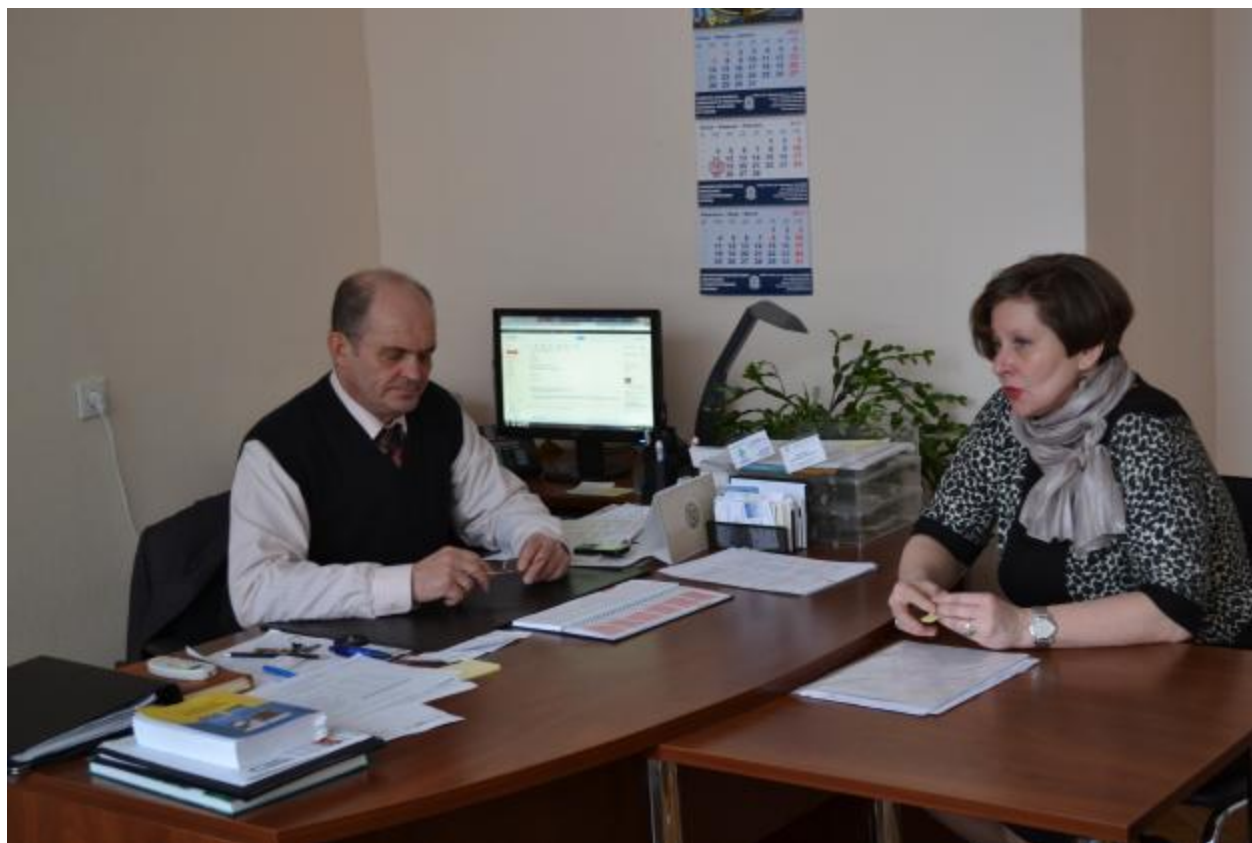
Angela Piatova, Ph.D., Assoc. Prof.

NTUU “KPI”



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Volodymyr Prokopenko,
Angela Piatova



Oksana Vovk





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Natalia Nauchu





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The agencies of territorial and sustainable development governance (MSc)



- **Introduction into specialty**

(3 ECTS)

Oksana Vovk, Ph.D., Assoc. Prof.

Natalia Nauchu



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Volodymyr Prokopenko,
Natalia Nauchu





Tempus

The ecology of the built environment (BSc/ specialists)



- **Technoecology**

(4,5 ECTS)

Oksana Vovk, Ph.D., Assoc. Prof.,
Kostiantyn Tkachuk, Doctor of Sc., Full
Professor

NTUU “KPI”

Kostiantyn Tkachuk





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Volodymyr Prokopenko,
Volodymyr Nakhodov





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Volodymyr Prokopenko,
Oksana Vovk, Kostiantyn
Tkachuk





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Irina Prokopenko,
Galina Strelkova





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Volodymyr Prokopenko,
Oksana Vovk, Kostiantyn
Tkachuk





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Intelligent and biometric systems



Intelligent and biometric systems

Angela Piatova, Ph.D., Assoc. Prof.
Artem Kovalchuk , Ph.D., Assoc. Prof.
(PhD module)

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Angela Piatova





Artem Kovalchuk





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Ukrainian Team





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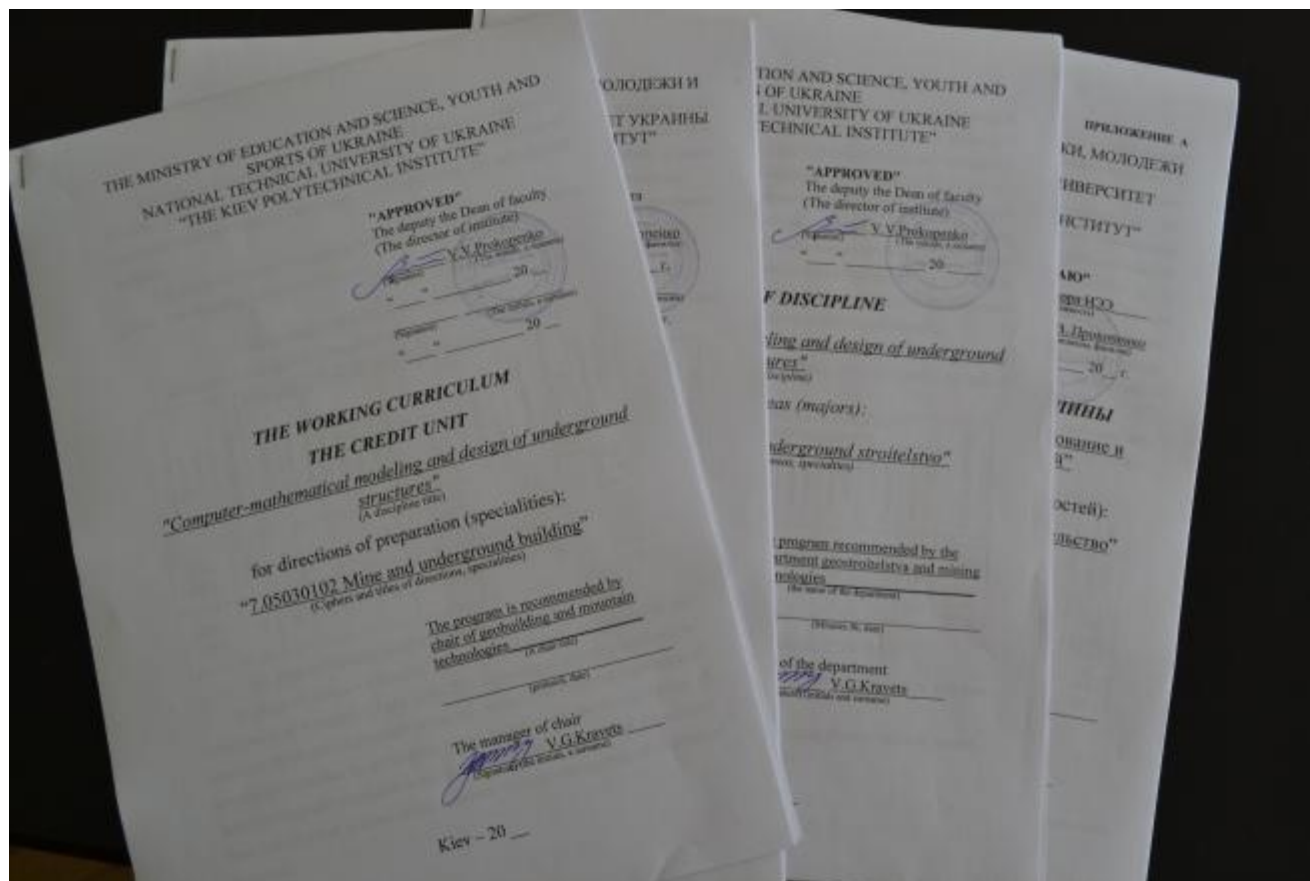


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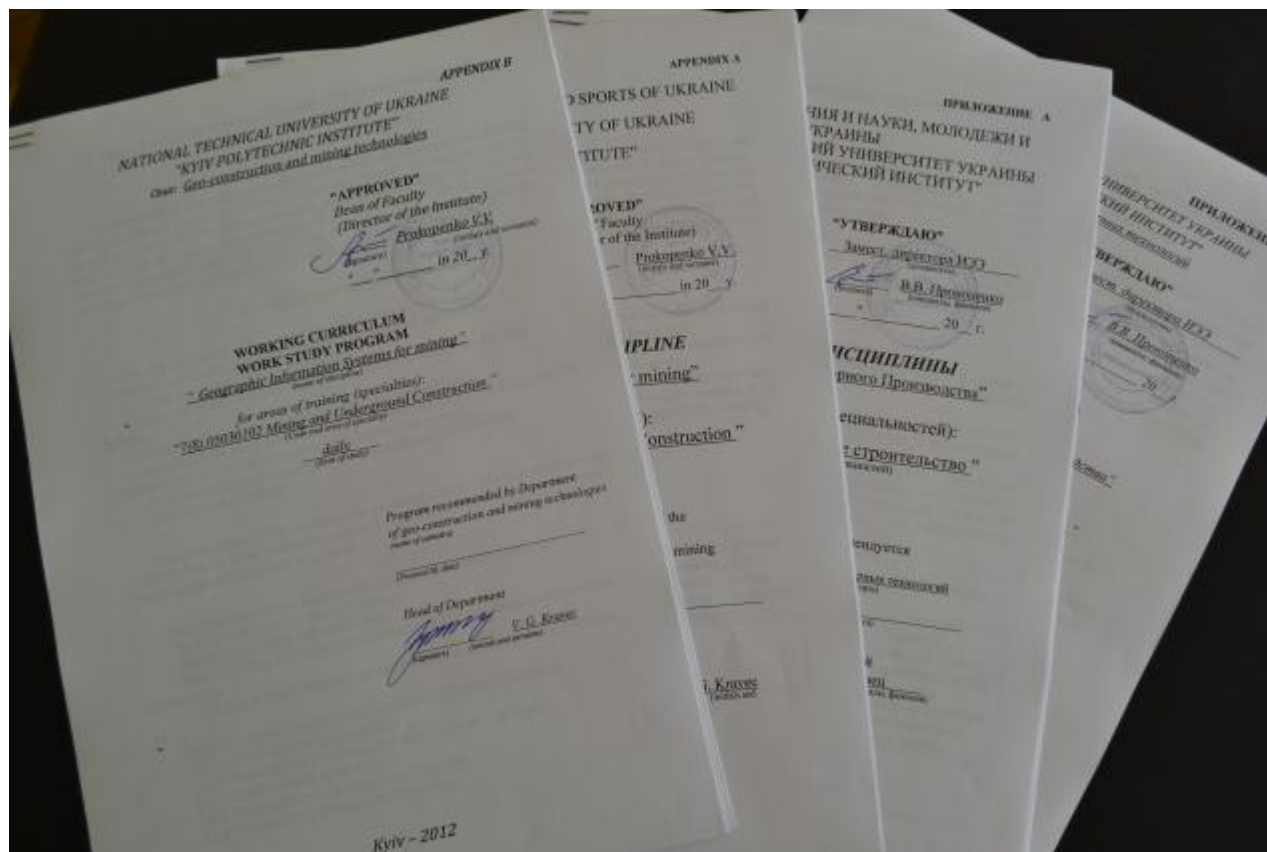


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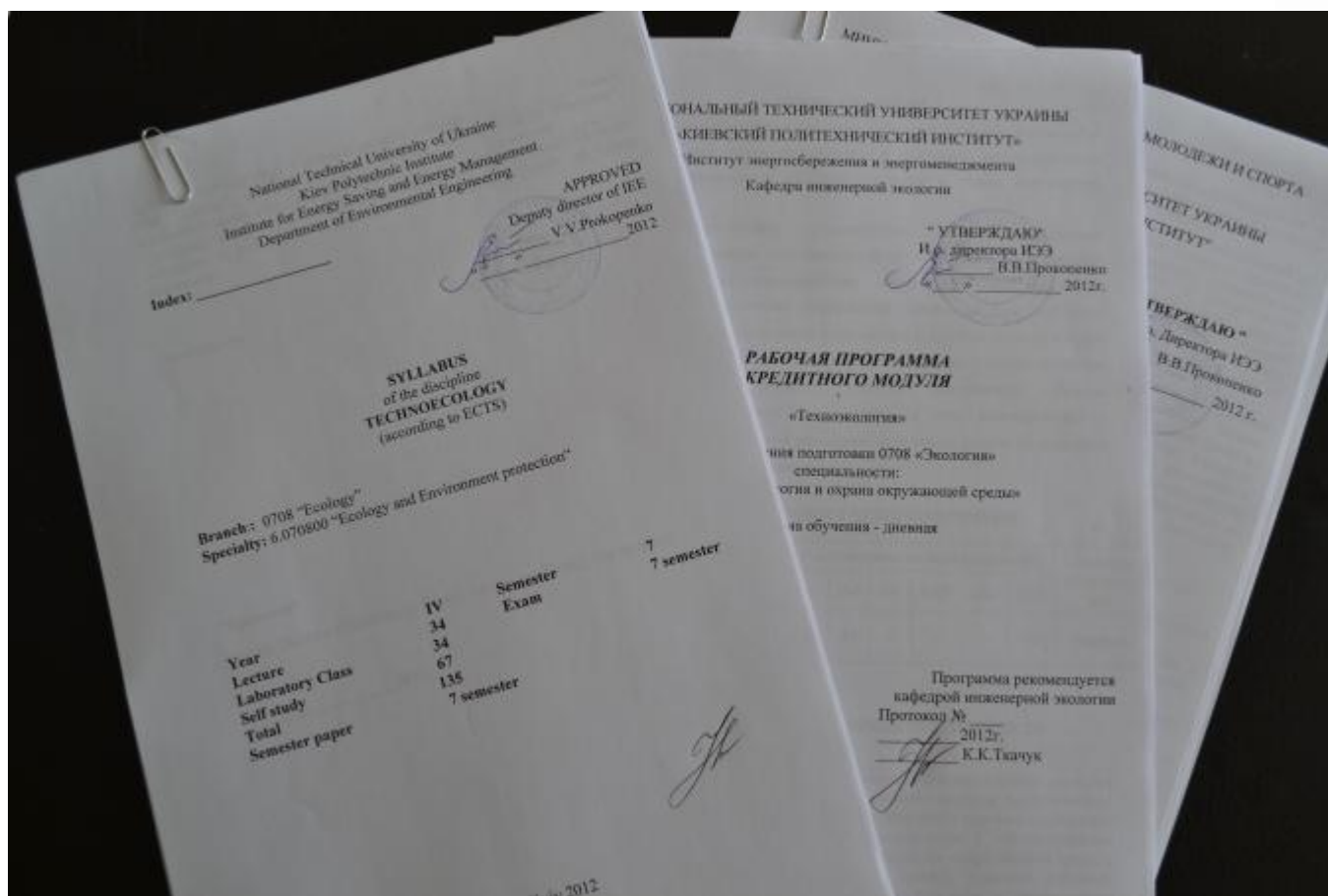


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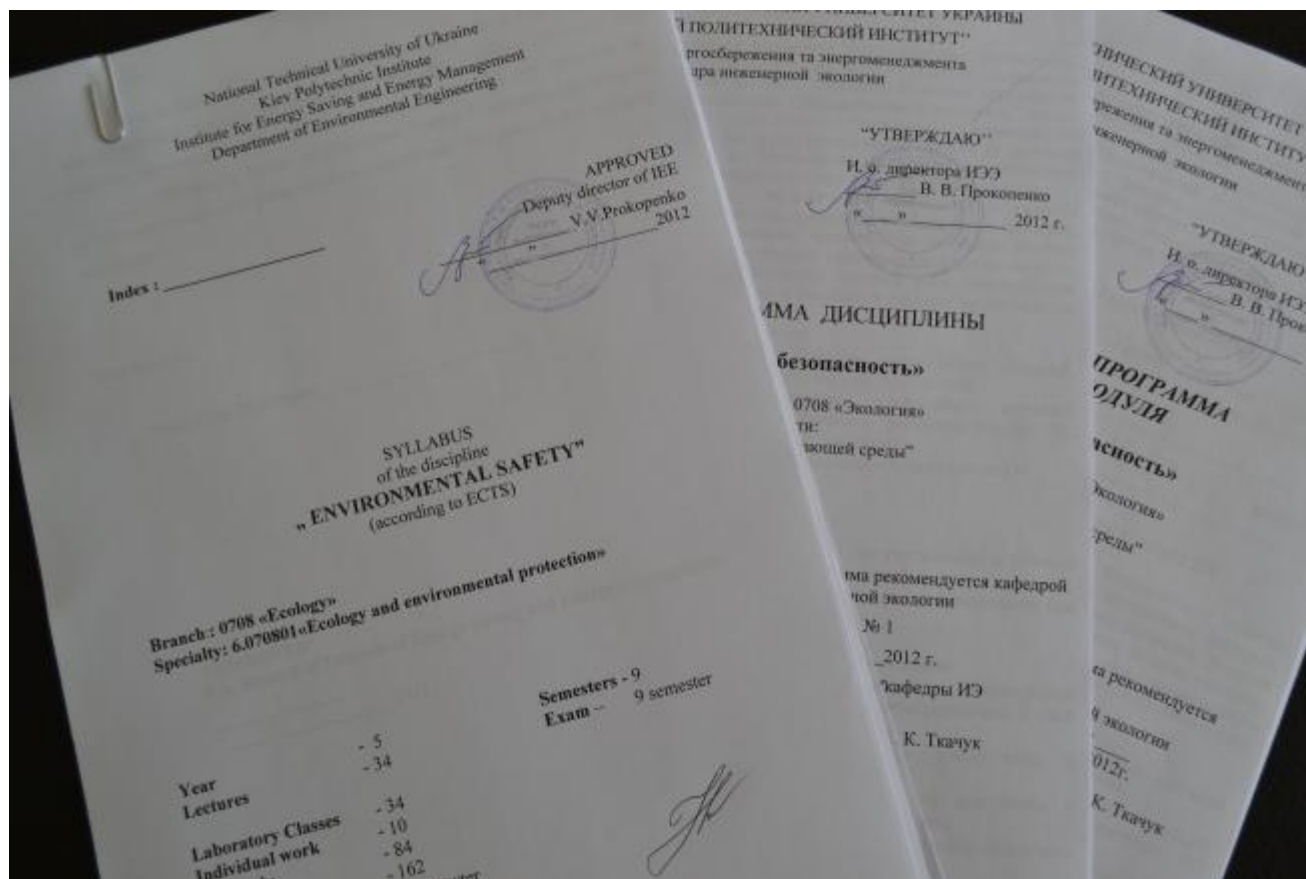


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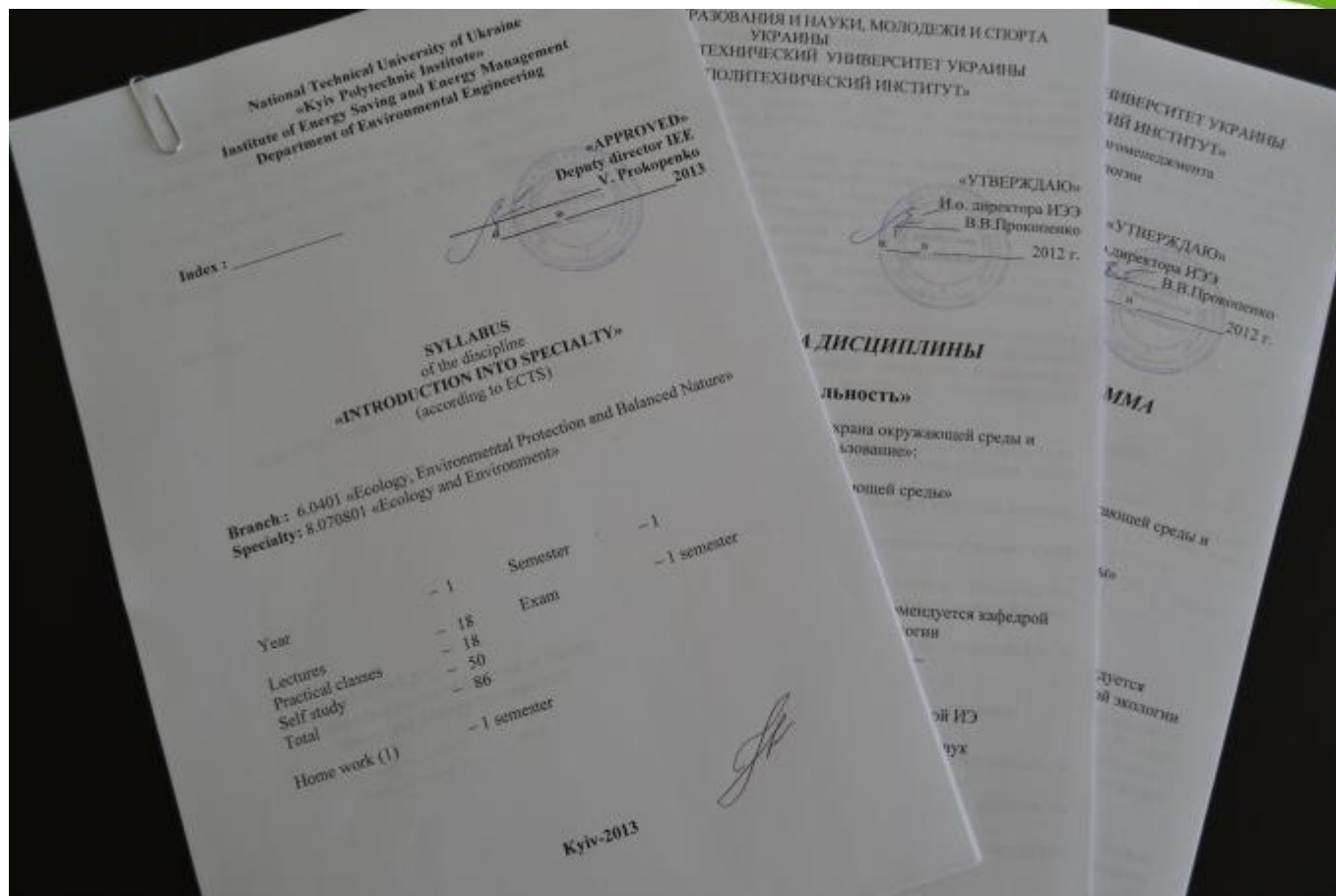


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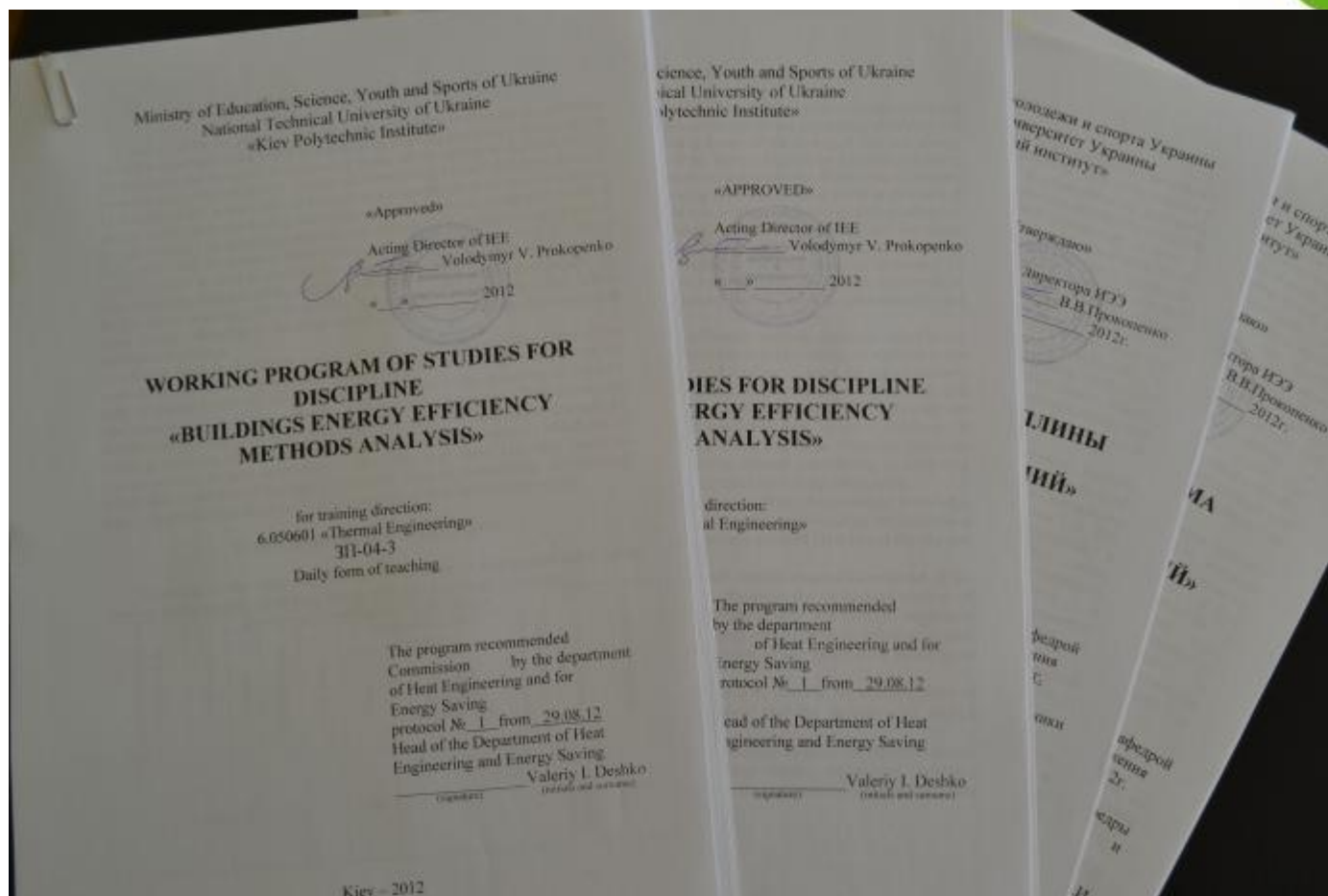


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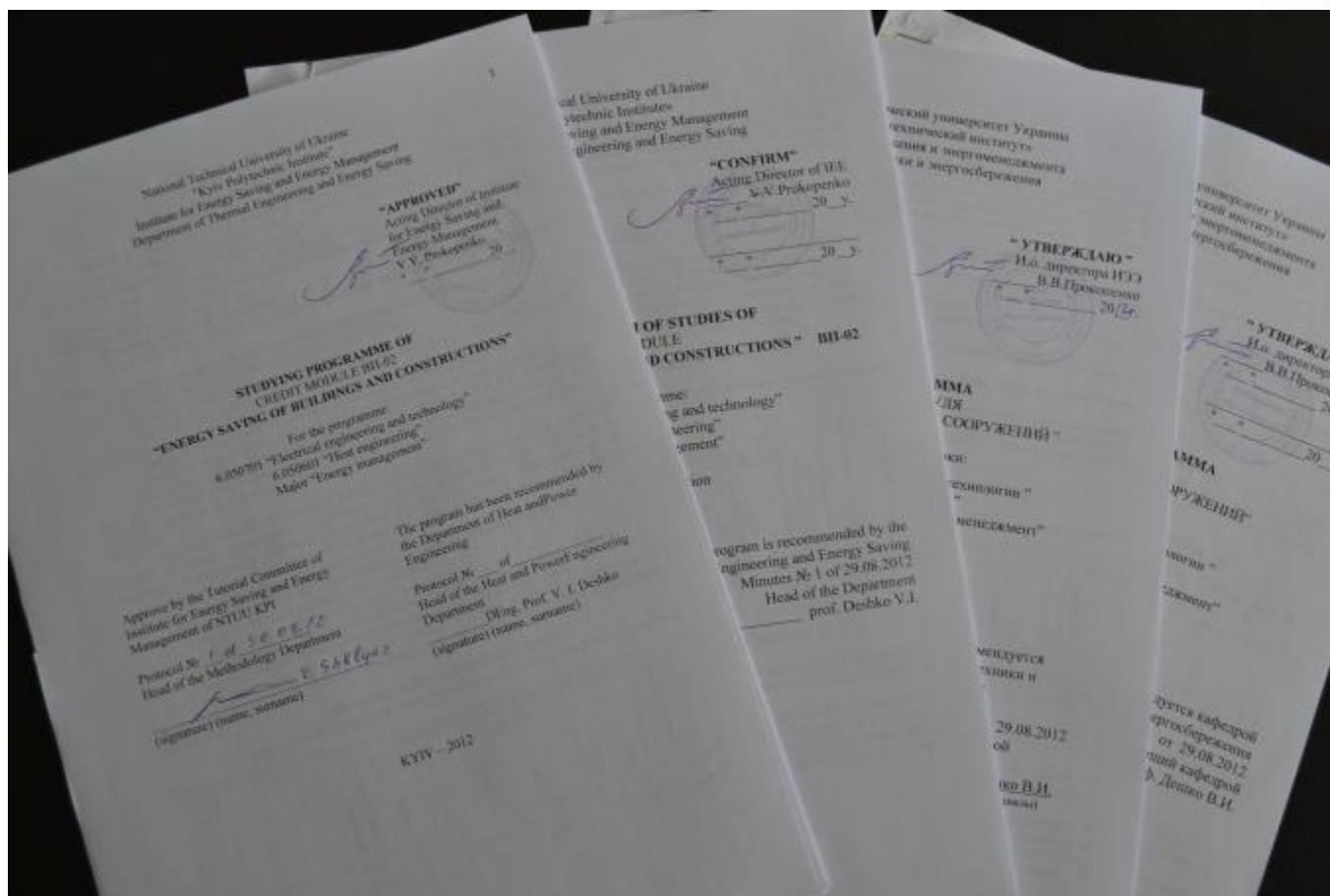
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Kiev - 2012

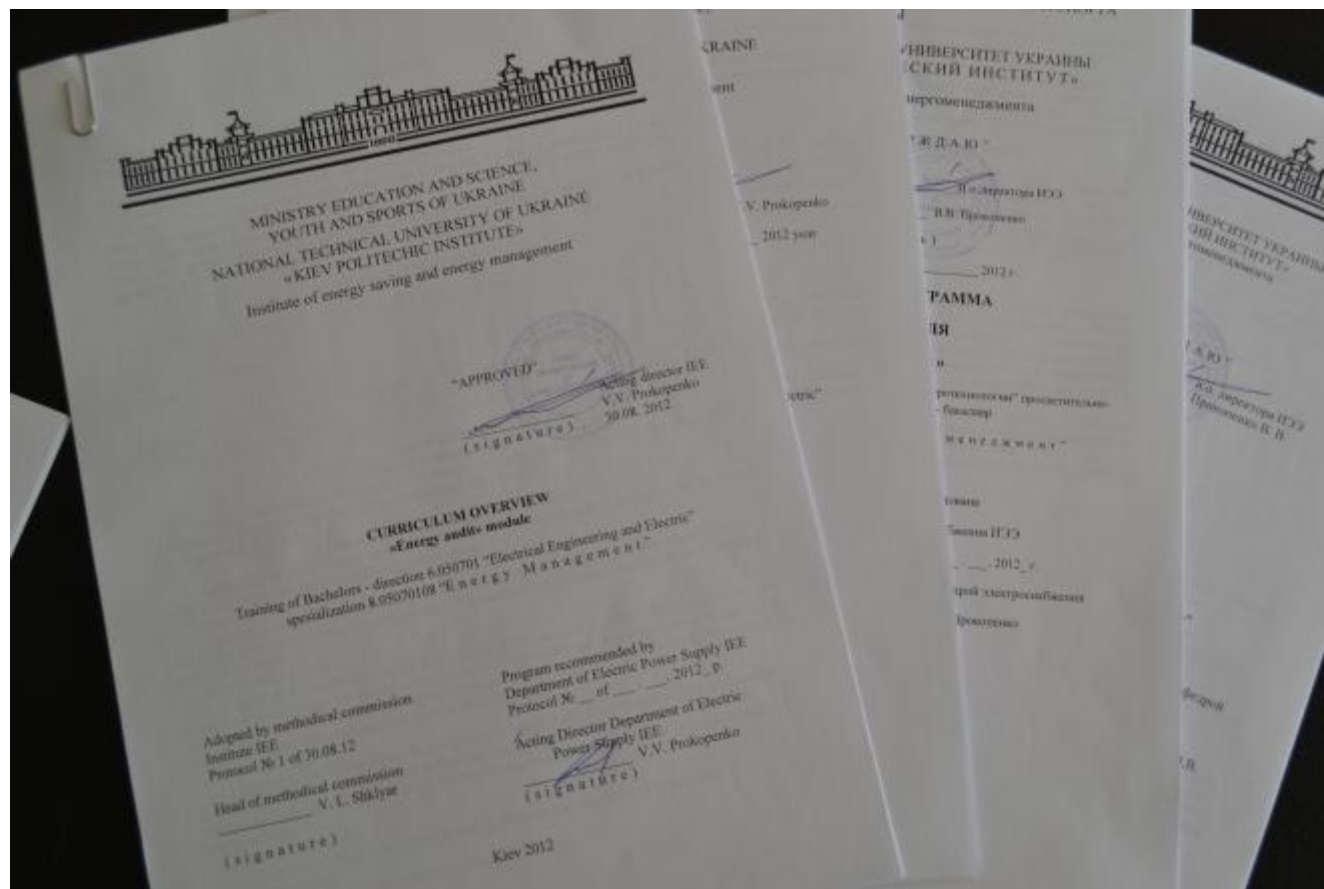


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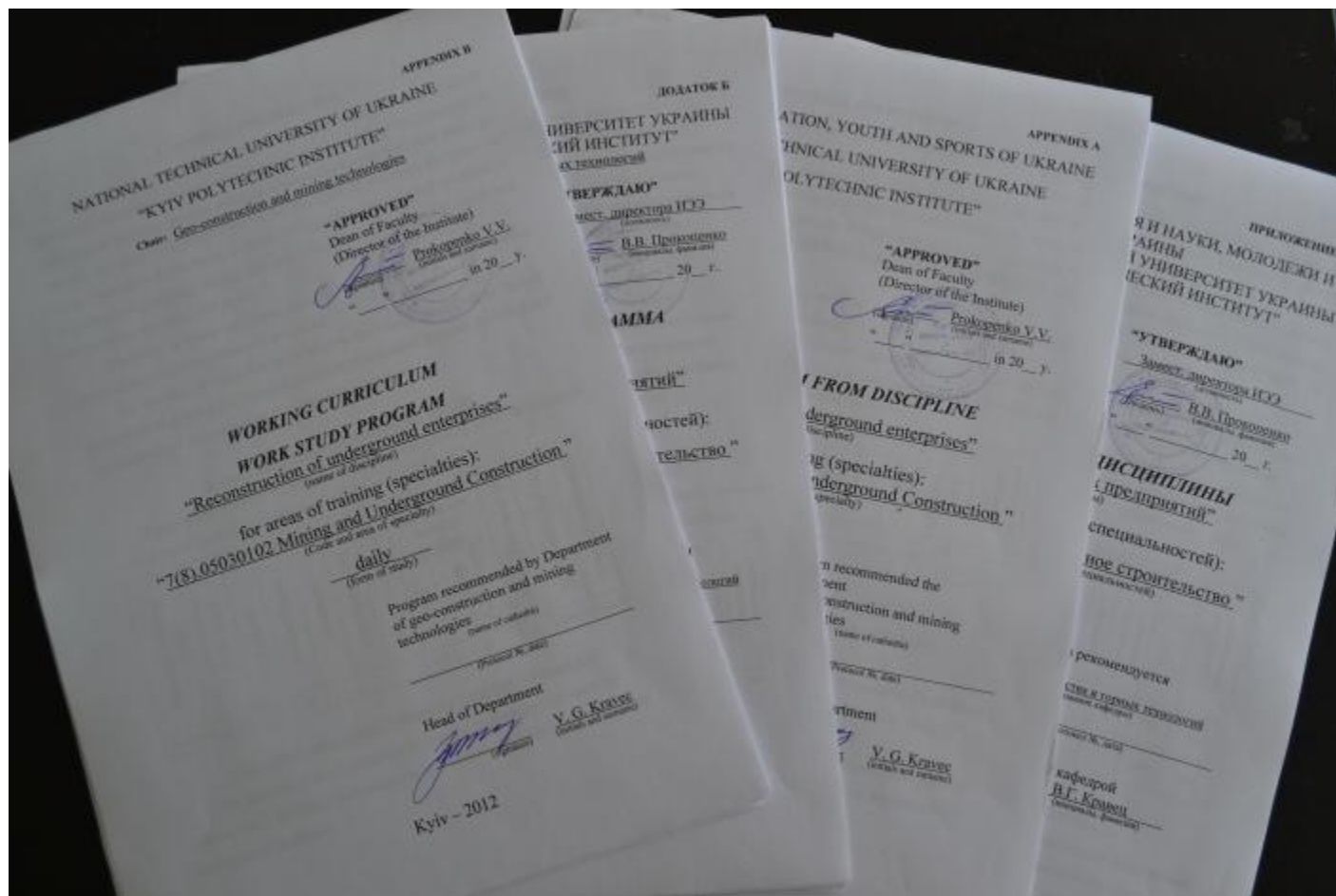


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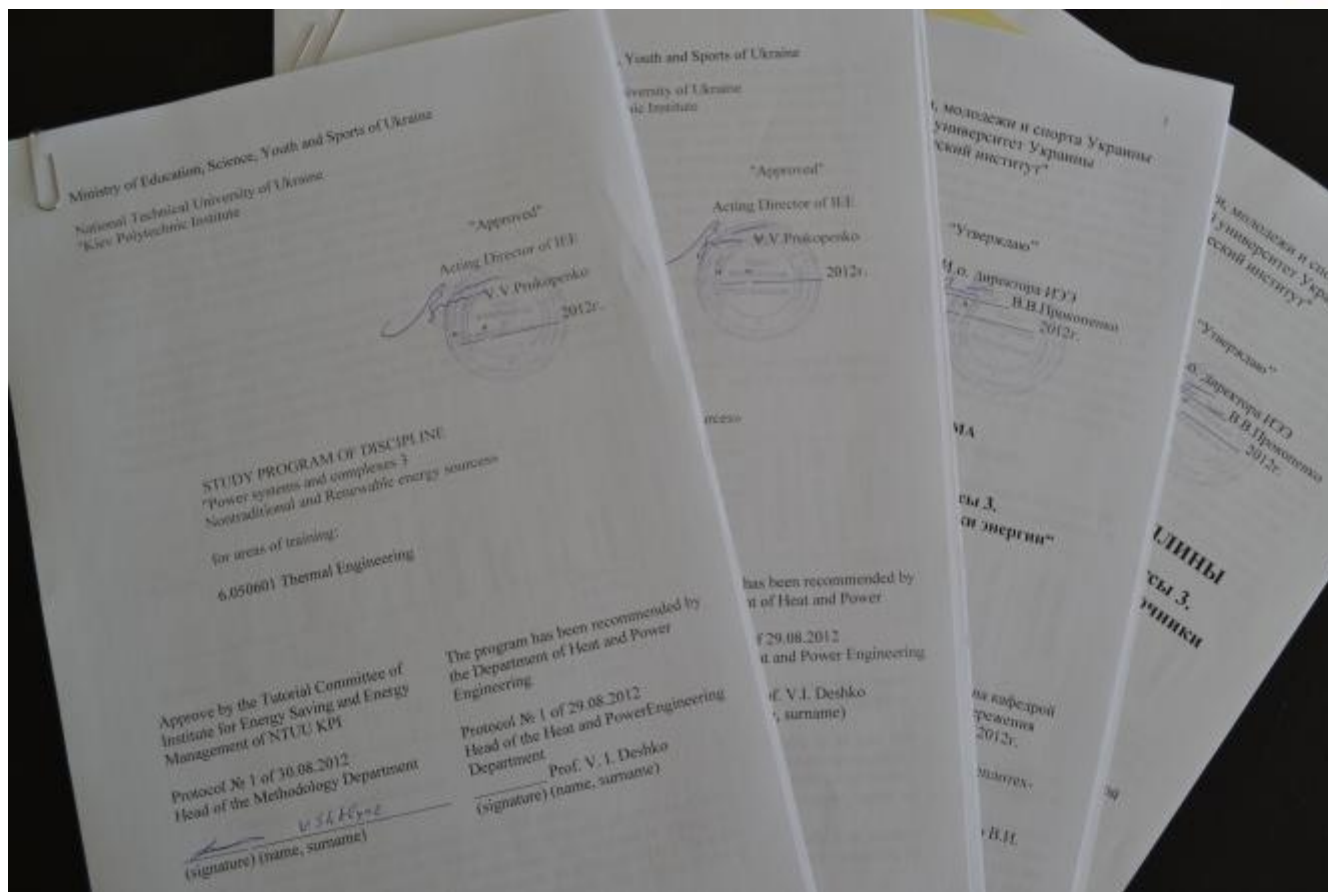


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MINISTRY OF EDUCATION AND SCIENCE, YOUTH AND SPORTS OF UKRAINE

APPROVED
BY
First Deputy
Minister of
Emergency
Situations of
Ukraine

Bohorokih
M.V.

25.03.2012

"Approved by"

Director of IEE

V.V. Prokopenko

2012



Standard curriculum
PRE-REQUISITE DISCIPLINE

"Civil Protection"
For higher education

for all specialties on educational levels

"Specialist", "Master"

Program recommended by the Department
of

"Labour, Industrial and
Civil Security"

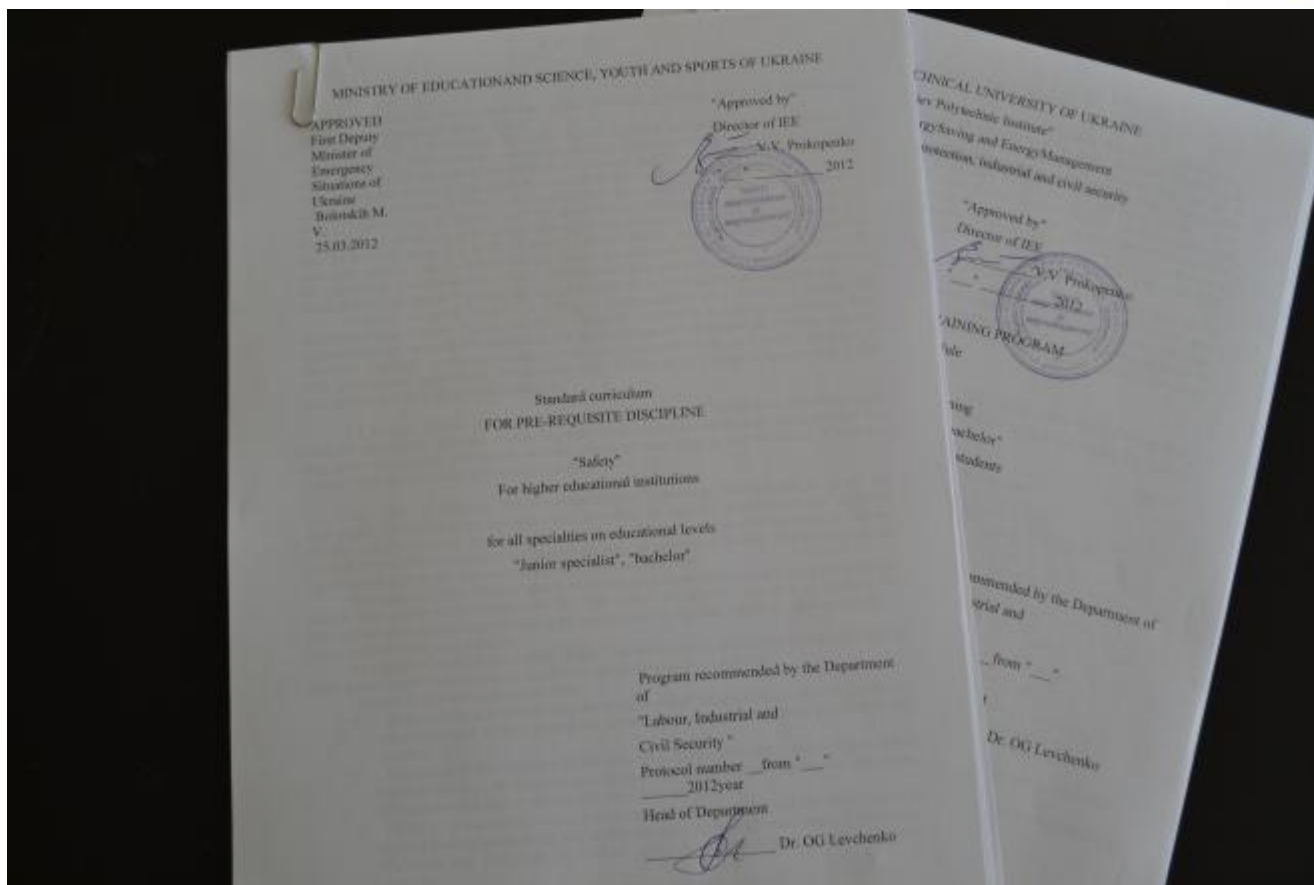
Protocol number from " "
2012 year

Head of Department

 Dr. OG Levchenko

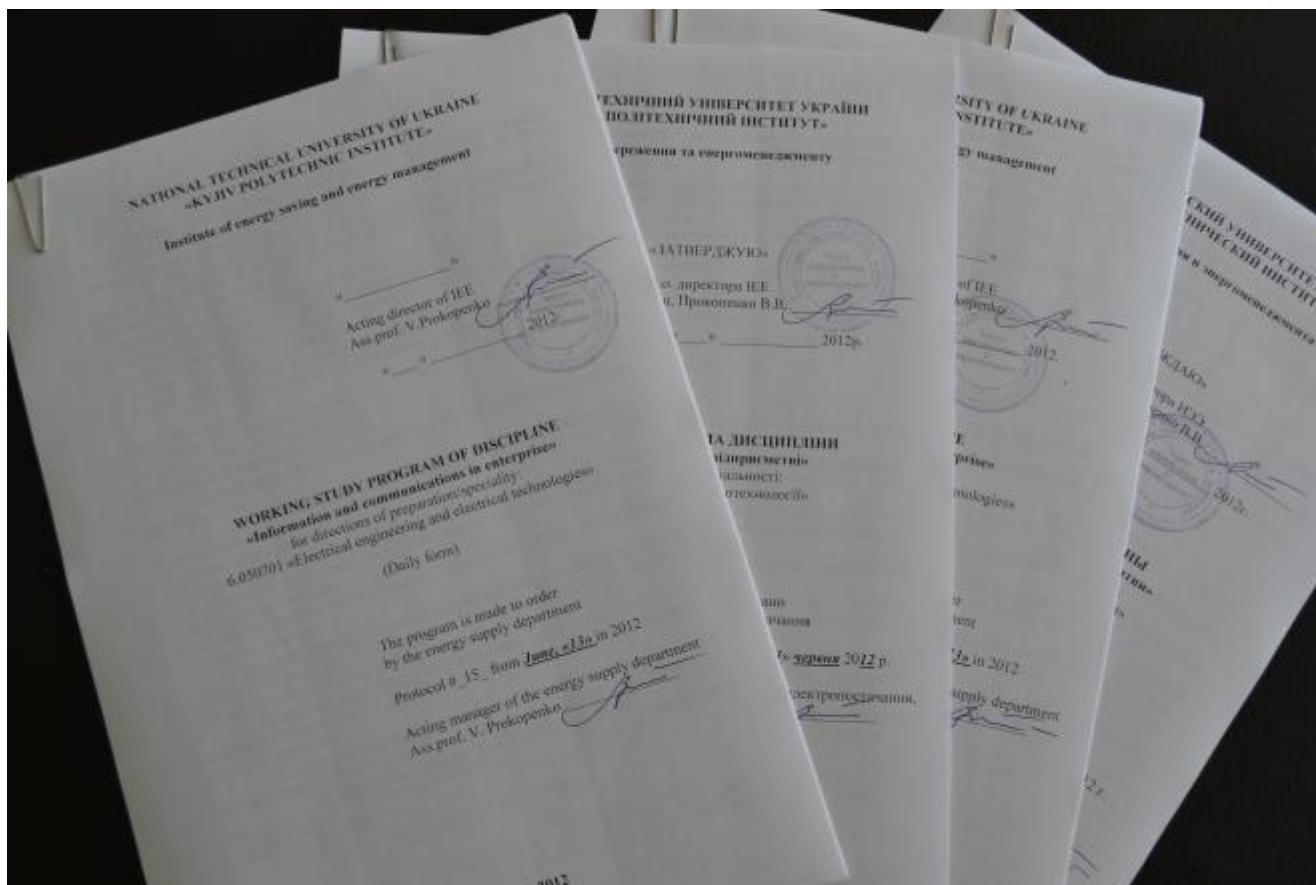


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<http://iee.kpi.ua/internacionalprojects/tempus1.html>

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Thank you
for your
attention

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