



CERTIFICATE

This is to certify that

HRYNKIV ANDRII

has successfully completed
the academic training on the subject:

- Module 1. Organization of the educational process and student training program in University of Security (Poznan).**
- Module 2. Innovative technologies, scientific-methodical and informational provision of educational process in the transport technologies.**
- Module 3. Science as the basis of educational process.**
- Module 4. Transport technologies.**

Training period:

19.04.2021-30.09.2021

Total hours:

180 hours

Poznan, « 02 » 10 2021

No: **03/10/2021**




REKTOR
dr Andrzej ZDUNIAK



Academic modules (Wyższa Szkoła Bezpieczeństwa - WSB)

Module 1. Organization of the educational process and student training program in WSB (40 hours)

1. WSB and student training programs.
2. Faculties and organization of educational process.
3. Internationalization of the educational process and opportunities for education for foreign students.

Module 2. Innovative technologies, scientific-methodical and informational provision of educational process in the transport technologies (45 hours)

1. The use of innovative technologies in the educational process.
2. Academic student mobility as an organic part of the educational process at the university.
3. Scientific and methodological achievements of the university in the field of transport technologies.
4. Lectures, practice and seminars in the field of training - Transport specialty "Transport technologies".

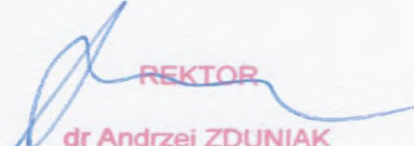
Module 3. Science as the basis of educational process (45 hours)

1. Experience in scientific work at WSB.
2. Scientific projects and scientific publications of the WSB.
3. Scientific work and priorities of student's scientific research in the field of transport technologies.
4. Practical student's training.
5. University repository and work with the electronic library fund.

Module 4. Transport technologies (50 hours)

1. Information systems and technologies of control on transport.
2. Technologies of freight forwarding activities.
3. Vehicles.
4. Transport and storage complexes.




REKTOR
dr Andrzej ZDUNIAK



CERTIFICATE

This is to certify that

Grinkov Andriy

has successfully completed
the academic training on the subject:

- Module 1. Organization of the educational process and student training program in WSB Universities (Poznan).**
- Module 2. Innovative technologies, scientific-methodical and informational provision of educational process in the automobile transport industry.**
- Module 3. Science as the basis of educational process.**
- Module 4. Automobile engineering.**

Training period:

Total hours:

WICEKANCLERZ
Wyższej Szkoły Bankowej
w Poznaniu

dr Małgorzata Kluska-Nowicka

108 hours

Poznan, «*24*» *października* 201*8*

No: *7-10/2018*



Module 1. Organization of the educational process and student training program in WSB Universities (Poznan) (20 hours)

1. WSB Universities and student training programs.
2. Faculties and organization of educational process.
3. Internationalization of the educational process and opportunities for education for foreign students.

Module 2. Innovative technologies, scientific-methodical and informational provision of educational process in the automobile transport industry (28 hours)

1. The use of innovative technologies in the educational process.
2. Academic student mobility as an organic part of the educational process at the university.
3. Scientific and methodological achievements of the university in the field of automobile transport.
4. Lectures, practice and seminars in the field of training - Transport specialty "Automobile Transport".

Module 3. Science as the basis of educational process (35 hours)

1. Experience in scientific work at WSB Universities.
2. Scientific projects and scientific publications of the WSB Universities.
3. Scientific work and priorities of student's scientific research in the field of automobile transport.
4. Practical student's training.
5. University repository and work with the electronic library fund.

Module 4. Automobile engineering (25 hours)

1. Engine construction and operation: constructional details of 4-stroke petrol engine.
 2. Two stroke and four stroke diesel engines. Diesel cycle. Fuel-air and actual cycle analysis. Diesel fuel, ignition quality. Cetane number.
 3. Different types of clutch: principle, construction, torque capacity and design aspects.
 4. Trends in automotive power plants: hybrid vehicles; hydrogen engines-battery vehicles; electric propulsion with cables vehicles; magnetic track vehicles.
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WICEKANCLERZ
Wyższej Szkoły Bankowej
w Poznaniu

Małgorzata Kluska-Nowicka