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Opole		a/	#
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Opole (miejscowość)		a DYRE mgr Aleksa	KTOB mder Isaqauk
Opole (miejscowość)		a DYRE	KTOB mder Isaqauk

Stwierdzem zgodność z pryginalem

Publiczne Liceum Ogółnoksztalcacz 5.01. 2004 y Oddziałami Dwopolozofenia im. Murii Kanopnickiej w Ogolu

45-048 Opele, ul. Pulaskiego 3 tel. 77-454-2236, fax: 77-402-18-87 e-mail: sekretariat@lo2 opele pi

WORLD EDUCATION SERVICES Received Directly From Institution

1000



WYNIKI KLASYFIKACJI KONCOWEJ

Zachowanie		- Dardzo dobre
religia / etyka	*	
Ohow	iązkowe zajęcia	edukacyine
język polski język angielski IV.lr.		dostateczny
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język włoski IV.0	Maried Agent	dobry
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historia		bardzo dobry
wiedza o społeczeństwie		celujący
podstawy przedsiębiorczości		celujący
geografia		dobry
biologia		dostateczny
chemia		bardzo dobry
		harden daha.
fizyka		***************************************
matematyka		dostateczny
informatyka		bardzo dobry
wychowanie fizyczne		bardzo dobry
edukacja dla bezpieczeństwa	***************************************	celujący

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fakultet z chemii		bardzo dobry
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Certified translation from Polish

iPrinted on the official form with graphic elements and the emblem of the Republic of Poland)

High School Graduation Diploma

Date of birth:

Place of birth:

OBW

PESEL [Polish Resident Identification Number]:

in the school year 2017/2018 graduated from Maria Konopnicka Public Highschool No. 2 with bilingual classes in Opole, Opolskie Voivodeship,

and completed subjects: English language, Biology, Mathematics included in the extended curriculum.

Opole, 27 April 2018

[A round seal with the emblem of the Republic of Poland and the circumscription reading:] Comprehensive Secondary School Complex, Maria Konopnicka Public Highschool No. 2 with bilingual classes in Opole

[A rectangular ink stamp reading:] The principal, mgr Aleksander Iszczuk (an illegible handwritten signature] (-)

This certificate is the evidence of secondary education

Results of the final classification

Conduct

bardzo dobre (translator's note: very good)

Religion / ethics

iblanki

Compulsory educational subjects

Polish language

dostateczny (translator's note: satisfactory)

English language IV.1r

dostateczny (translator's note: satisfactory)

Italian language IV.0

dobry (translator's note: good)

Cultural studies

dostateczny [translator's note: satisfactory]

bardzo dobry (translator's note: very good)

Social studies

celujący (translator's note: excellent)

Basics of entrepreneurship

celujący (translator's note: excellent)

Geography

History

- dobry (translator's note: good)

Biology

Stwierdzam-dostateczny (translator's note: satisfactory zgodność z oryginałem

Opole, dn. 23.07 202/

Publiczne Liceum Ogólnoksz(alcące nr H z Oddziałami Dwujęzycznymi im. Marii Konopnickiej w Opolu 45-048 Opole, ul. Pulaskiego 3 tel. 77 454 2286, fax. 77 402 18 87 e-mail: sokretariot@lo2.opole.pl

Chemistry	 bardzo dobry (translator's note: very good)
Physics	 bardzo dobry [transfator's note: very good]
Mathematics	 dostateczny [translator's note: satisfactory]
Information technology	 bardzo dobry {translator's note: very good}
Physical education	- bardzo dobry (translator's note: very good)
Education for safety	 celujący (translator's note; excellent)

Complementary educational activities

History and society

- bardzo dobry [translator's note: very good]

Philosophy

- bardzo dobry [translator's note: very good]

Chemistry facultative class

- bardzo dobry (translator's note: very good)

Additional educational activities

Artistic class

- celujący (translator's note: excellent)

Individual curriculum or course of study

[blank]

Special achievements

(blank)

Class teacher (a handwritten signature)

(-

Scale of grades:

- conduct: exemplary, very good, good, correct, inappropriate, reprehensible.
- 2. educational classes, religion/ethics: excellent, very good, good, satisfactory, admissible insufficient.

I hereby certify that the above translation done by me is true and complete with the original of the document presented to me.

a sworn translator of English, entered into the Public Register of Sworn Translators kept by the

Minister of Justice under No.

Register No. Opole 20-07-2021

Stwierdzam zgodność z oryginałem

Opole dr. 23,01,204

mgr Agnieszka Bugarlik-Pszczyńska

Page 2 of 2

OEM

Publiczne Liceum Ogólnokształcące nr II z Oddziałami Dwujęzycznymi im. Marli Konopnickiej w Opolu 45-048 Opole, ul. Pulaskiego 3 tel. 77 454 2286, fax. 77 402 18 87 e-mail: sokretariat@lo2.opole.pl



RZECZPOSPOLITA POLSKA ŚWIADECTWO DOJRZAŁOŚCI

zdala egzamin maturalny i uzyskala ...

z przedmiotów obowiązkowych: w części ustnej egzaminu:

w części pisemnej egzaminu na poziomie podstawowym:

z przedmiotu dodatkowego w części pisemnej egzaminu na poziomie rozszerzonym:

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4. - Co. (Clastic, at 1 trans 1,005 3) 1,77 471 2200, Jak 77 402 76 37 : nekrong pagar bische.ul

zgodność z oryginatem

Opnis, dn. 23,04 2001

1000 Received Directly From Institution

Wrocław, 3 lipca 2018 r.

Kwalifikacja pełna na poziomie czwartym Polskiej Ramy Kwalifikacji



DYREKTOR Okręgowej Komisji Egzaminacyjnej 🛚 we Wrocławiu mar Plotr Swiedrych

Świadectwo jest dokumentem uprawniającym do ubiegania się o przyjęcie na studia w szkołach wyższych.

Certified translation from Polish

[Printed on an official form with engraved border and the emblem of the Republic of Poland]

The Republic of Poland

Secondary School Maturity Certificate

Date of birth:	Place of birth:
PESEL [Polish Resident Identification Number]:	

passed secondary school final examinations (egzamin :naturalny) and scored:

OEM

in mandatory subjects, in the oral part of the examination:

Polish language - 80% of points English language - 67% of points

in the written part of the examination on the basic level:

Polish language - 50% of points, the same or lower result was achieved by 39% of the candidates. English language - 84% of points, the same or lower result was achieved by 60% of the candidates. Mathematics - 78% of points, the same or lower result was achieved by 77% of the candidates.

in additional subjects, in the written part of the examination on the extended level:

English language - 52% of points, the same or lower result was achieved by 44% of the candidates Biology - 30% of points, the same or lower result was achieved by 55% of the candidates

Wrocław, 3 July 2018

[A round ink seal with the emblem of the Republic of Poland reading:] Regional Examinations Board in Wrocław

[A rectangular ink stamp reading:] Director of the Regional Examinations Board in Wroclaw, mgr Piotr Świędrych [handwritten signature] (-)

PRK IV [The Polish Qualifications Framework]

Full qualifications on level four of the Polish Qualifications Framework

The certificate is a document entitling the candidate to apply for admission to higher education

Publiczne Liceum Ogólnokształcące nr II z Oddziałami Dwujęzycznymi im. Marii Konopnickiej w Opolu 45-048 Opole, ul. Pulaskiego 3 tel. 77 454 2286, fax. 77 402 18 87 e-mail: sekretariat@io2.opole.pl Stwierdzam zgodność z oryginałem pole, dn. 25.04.2004 DYREI

G







Dyplom



WYDANY W RZECZYPOSPOLITEJ POLSKIEJ

NR DYPLOMU

UKOŃCZENIA STUDIÓW PIERWSZEGO STOPNIA



WES 1319
WORLD EDUCATION SERVICES
Verified

PODPIS POSIADACZA DYPLOMU

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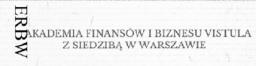
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Kwalifikacja pełna na poziomie szóstym Polskiej Ramy Kwalifikacji (13 5 W + 0) (13 5

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Warszawa, 03.07.2020 r.
MIEJSCOWOŚĆ I DATA WYDANIA DYPLOMU



FIELD OF STUDY

STUDY PROFILE

MODE OF STUDY

FINAL GRADE

AWARDED ON

PROFESSIONAL TITLE

LEADING DISCIPLINE



Diploma

FIRST CYCLE PROGRAMME

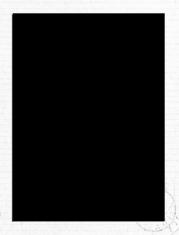
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WORLD EDUCATION SERVICES

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ISSUED IN THE REPUBLIC OF POLAND



DIPLOMANO.

SIGNATURE OF DIPLOMA HOLDER

FIRST NAME/S
LAST NAME

DATE OF BIRTH

PLACE OF BIRTH

P R K VI

Kwalifikacja pełna na poziomie szóstym Polskiej Ramy Kwalifikacji MANAGEMENT

MANAGEMENT AND QUALITY STUDIES

ACADEMIC

FULL TIME

BARDZO DOBRY

3rd July 2020

LICENCJAT

PIECZĘĆ URZĘDOWA UCZELNI

RECTOR

arkab. Womensmise Kolumski, pop AFB listela

Warsaw, 3rd July 2020

PLACE AND DATE OF ISSUE

VISTULA 02-787 Warszawa, ul. Stokłosy 3 Tel: 22 4572300 Fakt 22 4572303 MEECHA 11021150 NRP.5 46-00-09-816

Stamp of the organizational unit

Warszawa, 19.07.2021

TRANSCRIPT OF RECORDS VISTULA UNIVERSITY

INFORMATION ON THE STUDENT

Surname:

First name(s):

Date of birth (day; month, year):

Student identification number or code:

(OBW)

INFORMATION ON THE STUDIES

Name of the programme: Management

Field of study: Management Level of qualification: first degree Educational profile: academic Form of study: full time

Date of beginning of the studies: 01.10.2017

Date of admission to the study programme: 01.10.2017



INFORMATION ON THE RESULTS GAINED

Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
Winter Semester 2017/2018	total ECTS in this di	dactic cycle	30
English 1	c 30 / e 60	[4,5/]	4
ICT in business	c 30	[5]	3
Introduction to Economics	w 30/c 30	[4/4]	10
Introduction to Management	w 30/c 30	[5/5]	.10
Library training	e 8	·[zal]	
OHS Training	e 4	· [zal]	
Physical Education	c 30	ZAL	
Skills for business: communication 1	c 30	[5]	3
Spring semester 201 12018	total ECTS in this di	dactic cycle	31
English 2	c.30 / e 60	[5/]	4
Introduction to finance and Accounting	w 30/c 30	[5/5]	10
People and Organizations	w 30	[5]	6
Physical Education	c 30	[ZAL]	
Quantitative methods in business	w 30/c 30	[3/3]	8
Skills for business: communication 2	c 30	[5]	3
Winter 2018	total ECTS in this di	dactic cycle	29
Corporate Finance and Accounting	w 30 / c 30	[5/5]	5
Human Resource Management	w 30/c 30	[4,5/5]	6
Management Methods and Techniques	w 30/c 30	[4,5/4,5]	10
Marketing	w 30 / c 30	[4/5]	6
Skills for Business: Communication and Argumentation	° c 15	[5]	2
Spring semester 2018/2019	total ECTS in this di	dactic cycle	32
Business Law	w 45	[4,5]	5

USOS: Transcript of Records

Page 1 of 3

19.07.2021 10:27

Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
Spring semester 2018/2019	total ECTS in this di	idactic cycle	32
Business Research Methods	w 20	[4,5]	3
Change and Innovations Management SPEC: Business Management	k 30	[5]	5
Economic Enviroment in Business	w 30 / k 30	[5/5]	5
Knowledge Management	k 30	[4,5]	5
Skills for Business: Teamworking	c 30	[5]	4
Small Company and Start-up Management (Business Management)	k 30	[5]	5
Winter 2019/2020	total ECTS in this di	idactic cycle	29
BA Seminar I Management	c 60	[—]	
Business psychology SPEC: Business Management	k 30	<i>[5]</i>	5
Entrepreneurship	w 15/k 15	[5/5]	5
Leadership in Organisation SPEC: Business Management	k 30	[5]	5
Practical Issues of Management SPEC: Business Management	k 30	[5]	5
Proseminar	w 5	[ZAL]	
Skills for Business: Life Long Learning	c 30	[5]	4
Supply Chains Management	w 30/c 15	[5/5]	5
Spring semester 2019/2020	total ECTS in this di	idactic cycle	29
BA Seminar II	c 60	[5]	10
Business Policy amd Strategy	w 30	[4]	5
Ethical and Sustainable Business	w 30 / c 30	[2 3/5]	5
Setting up & ranning company	k 30	[4,5]	5
Skills for Business Work-Life Balance	c 30	[4,5]	4
	ECTS in to	otal:	180

DIPLOMAS

Overall classification of the qualification:

Date of successful defence of the thesis:

Diploma:

Diploma No:

Topic of diploma dissertation(s):

bardzo dobry [5]

03.07.2020

First degree studies - Bachelor in Management

Dyrektor Dziekanatu

(Lillichn)

Katarzyna Ciechowicz

Signature and name-bearing stamp or seal of the dean or head of the organizational unit

Scale of grades in progress assessment and examinations: very good 5,0 good plus 4,5

good 4,0 satisfactory plus 3,5 satisfactory 3,0

unsatisfactory 2,0 (a fail grade)

Official seal of the University



The basis for calculating the final result of the study is the sum of: a) the weighted average of all grades for exams and tests with weights proportional to the number of assigned ECTS points obtained during all periods of study, taking into account the negative grades, calculated with the coefficient 0.60,

USOS: Transcript of Records :,

b/ the arithmetic average of the grades for the thesis (of the supervisor and reviewer, and, if applicable, of the consultee - the party ordering the subject of the practical work) calculated with the coefficient 0.20, c/ grade of the diploma exam, calculated with the coefficient 0.20.

The university completion diploma shall contain the final study result rounded to the grade according to the following scale and terms:

up to 3,25 – satisfactory (3,0); 3,26 - 3,75 – satisfactory plus (3,5); 3,76 - 4,25 – good (4,0); 4,26 - 4,50 – good plus (4,5); 4,51 - 5,00 – very good (5,0);



Description of class type codes

c class
e e-learning
k seminar
w lecture

Grades outside brackets are course grades, grades inside brackets are grades for the classes, vertical bar separates grades for various classes, semicolon separates grades on various exam reports, space separates grades on the same exam report, order of grades on a report follows order of exam sessions.

ZAL (zaliczenie) = non-graded pass, NZAL (niezaliczenie) = fail, — = no grade in the examination protocol.

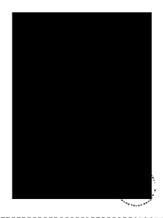
ECTS credits: 1 full academic year = 60 credits.

1 No credit on the course or credit not yet approved





Kwalifikacja pełna na poziomie szóstym Polskiej Ramy Kwalifikacji



Łódź, 25 września 2018 r.

POLITECHNIKA ŁÓDZKA

KOPIA

Wydział Zarządzania i Inżynierii Produkcji

POLITECHNIKA ŁÓDZKA
CENTRUM KSZTAŁCENIA
Sekcja Dyplomów 90-924 Łódź, ul. Radwańska 29 tel. 42 531-20-91

Za zgodność z oryginalem

ukończenia studiów pierwszego stopnia w formie stacjonarnej

data urodzenia

uzyskał(a) w dniu

18 września 2018 r.

z wynikiem na kierunku

celującym zarządzanie

w specjalności

o profilu kształcenia praktyczny

miejsce urodzenia

tytuł zawodowy

Inżynier

497 WORLD EDUCATION SERVICES **Received Directly From Institution**

uzyskanie kompetencji inżynierskich, nauki społeczne w obszarze kształcenia

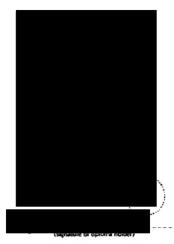
Klerownik podstawowej jednostki organizacyjnej

or hab. Inz. Zbigniew Wiśniewski, prof. Pt

WYDANY W RZECZYPOSPOLITEJ POLSKIEJ



PRKV Full qualification at Polish Qualifications Framework level six



Łódź, 25 September 2018

POLITECHNIKA ŁÓDZKA

LODZ UNIVERSITY OF TECHNOLOGY Faculty of Management and Production Engineering

graduation from first-cycle degree full-time

KOPIA

Za zgodność z oryginalem

497

date of birth was awarded on

18 September 2018

final grade celujący field of study Management

specialisation

educational profile

area of study

place of birth

the degree of

ınżynier

POLITECHNIKA ŁÓDZKA CENTRUM KSZTAŁCENIA Sakcja Dyplomów 90-924 Łódź, ul. Radwańska 29 tel. 42 631-20-91

Received Directly From Institution

acquiring engineering competences, social sciences

or hab.int/Zbigniew Wisniewski, prof. Pt

Z up. Rektora orcktor ds. Ksztalcenia Pojtiechniki Łodzkiej

ISSUED IN THE REPUBLIC OF POLAND





Lodz University of Technology

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international transparency and fair academic and professional recognition of qualifications. It is designed to provide a description of the nature, level, context, context and status of the studies that were pursued ansi successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition, information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

DIPLOMA SUPPLEMENT

valid with the diploma No

- 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION
- 1.1, Family name(s):
- 1.2. Given name(s):
- 1.3. Date of birth (day/month/year):
- 1.4. Student identification number or code (if available):

2. INFORMATION IDENTIFYING THE QUALIFICATION 3)

- 2.1. Name of qualification and (if applicable) title conferred¹⁾: intynier
- 2.2. Main field(s) of study for the qualification, specialization, and educational profile:

Main field(s) of study for the qualification: Management

Specialization: not applicable Educational profile: practical

2.3. Name and status of awarding institution[1]:

Politechnika Łódzka (Lodz University of Technology)

Żeromskiego 116, 90-924 Lodz, Poland

Lodz University of Technology is a public autonomous higher education institution having legal personality. It operates in compliance with the Law on Higher Education and the Statute of the Lodz University of Technology.

Lodz University of Technology confers the professional degrees of magister intynier, magister intynier architekt, magister, magister sztuki, intynier, intynier architekt and licenciat.

The University also confers the degrees of *doktor* and *doktor habilitowany* and applies for the conferment of scientific titles. Lodz University of Technology was established on 24 May, 1945 pursuant to the decree of the Homeland National Council.

The programme of study is accredited by the State Accreditation Committee (currently Polish Accreditation Committee).

- 2.4. Name and status of institution (if different from 2.3.) administering studies²⁾: not applicable
- 2.5. Language(s) of instruction/examination: Polish/Polish, English/English

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1. Level of qualification: first-cycle degree
- 3.2. Duration of the degree programmes set forth in the curriculum: 4 years (8 semesters, 240 ECTS points, including a 20-week work placement worth 13 ECTS points)
- 3.3. Access requirements: Maturity Examination Certificate

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED3)

4.1. Mode of study: full-time



Page 1 / 10

POLITECHNIKA ŁÓDZKA CENTRUM KSZTAŁCENIA Sekcja Dyplomów 90-924 Łódź, ul. Radwańska 29 tel. 42 631-20-91 Za zgodność z oryginalem

Magdalena\Ustaszewska

Programme requirements:

In order to be awarded a first cycle qualification in the field of Management of the practical profile the student is required to accumulate 240 ECTS points during 8 semesters of study, achieve all learning outcomes assigned to the given field of study in compliance with the learning outcomes prescribed for the given area of study, complete a 20-week placement as required by the programme of study, complete a final thesis and obtain positive assessment of the thesis supervisor and thesis reviewer, a passing mark on the final examination. 15 ECTS points are awarded for the diploma thesis.

The graduate has achieved the following learning outcomes:

Knowledge

- Is able to explain the essence, mechanisms and principles of effective functioning and management of an organization
- Is able to classify basic economic categories
- Is able to identify basic mechanisms of a financial system's functioning in economy
- Is able to list and systematize sources of law
- Is able to explain organizational behaviour regularities and human resources management
- Is able to define the essence, the role and modern methods of project management
- Is able to classify basic concepts in quality management
- Is able to select proper techniques of data collection, including IT methods, to solve management and engineering problems
- Is able to select proper techniques of market data collection, including IT methods, to solve management and marketing problems
- Is able to define basic concepts in Sociology
- Is able to define and interpret basic concepts in intellectual property rights protection
- Is able to recall principles and instruments of financial accounting
- Is able to analyze and plan financial performance of an enterprise
- Is able to describe basic components of a production system
- Is able to define and interpret basic concepts in occupational health and safety management
- Is able to select and interpret necessary methods, techniques and tools to solve engineering problems within a chosen specialty
- Is able to identify basic ecological aspects and their impact on the economy, on decision-making and technological processes
- Is able to use basic concepts in the area of production processes and life cycle of devices, objects and engineering systems
- Ia able to define and classify properties of materials
- Is able to name methods and techniques of production
- Is able to recall general principles and technical standards of the design machine components, devices, objects and engineering systems
- Is able to explain elementary concepts in Physics and is able to recall fundamental laws in mechanics
- Is able to discuss types and principles of drafting documentation in an enterprise



Page 2 PIOLITECHNIKA ŁÓDZKA
CENTRUM KSZTAŁCENIA
Sekcja Dyplomów
90-924 Łódź, ul. Radwańska 29
tel. 42 631-20-91

Za zgodność z oryginałem 1.6. 03 (2020 Magdalena Ostaszewska



Je to analyse non-technical aspects and conditions of engineering activity within elective subjects

- . Is able to synthesize knowledge learned in elective subjects in order to apply it to formulating and solving engineering tasks
- applying instruments of financial accounting in the organization

Skills

- Is able to use appropriate principles, methods and techniques to solve management problems
- Is able to describe influence of economic factors on management
- Is able to connect financial mechanisms to organization management
- Is able to select appropriate legal acts to solve management problems
- Is able to apply mathematical and statistical methods to management
- Is able to apply mathematical methods to describe physical phenomena and technical issues
- Is able to perform measurements and computer modeling; interprets the results and draws conclusions
- Is able to use sociological terminology and concepts to explain social reality
- Is able to identify conditions and influence of organizational behaviour on organization management processes
- Is able to use project management methods and techniques
- Is able to solve general problems in human resources management
- Is able to design appropriate activities to improve quality in an organization
- Is able to use and/or design tools to solve problems in management
- Is able to apply instruments of financial accounting in an organization
- Is able to propose ways of acquiring and using funds in an organization
- Is able to use methods and tools of production planning
- Is able to design tools and means of marketing in an organization
- Is able to use appropriate methods and tools in managing occupational health and safety
- Is able to differentiate methods used to investigate the influence of various factors upon the environment and economy
- Gains experience and proposes solutions to problems connected with maintenace of objects and systems typical and non-typical of the chosen specialty
- Is able to select materials suitable for particular engineering applications taking into account their structure, properties and standards
- Is able to design devices, objects, processes and systems using appropriate methods, techniques and tools including engineering graphics software and computer-aided support
- Is able to plan and perform experiments including measurements of mechanical devices' parameters
- Is able to solve mechanical problems with the support of selected methods
- Is able to solve complex engineering problems and carries out tests taking into account laws and principles of strength of materials

- Is able to implement automation and robotization of manufactur PROLITECTURE AUTOMATICAL Field CENTRUM KSZTAŁCENIA engineering Sekcja Dyplomów 90-924 Łódź, ul. Radwańska 29

Za zgodność z oryginałem production 1 b. Magdalená Ostaszewska



tel. 42 631-20-91

KOPIA

- ains experience in solving complex engineering tasks and critical analysis of efficiency of devices and processes taking into account technological norms
- Is able to identify and formulate methods of production engineering taking into account their non-technical aspects
- Gains experience in analysis, evaluation and design of production system zones
- Is able to specify conditions and range of technological preparation for production
- Gains experience in evaluating technological choices in economy and in an enterprise
- Is able to participate in the process of developing product documentation
- Is able to use methods and techniques to facilitate production management
- Is able to analyze economic and social aspects of engineering tasks within elective subjects
- Is able to assess usefulness of methods and tools used in solving typical and non-typical engineering tasks within elective subjects
- Is able to communicate, including specialist content, in a foreign language at the B2 level of proficiency
- Is able to complete practical tasks in a professional engineering environment
- Is able to complete typical written assignments to summarize theoretical and empirical research conducted
- Is able to complete oral multimedia presentations to summarize theoretical and empirical research conducted

Competences

- Is able to follow principles of successful teamwork
- Is able to present and argue in favour of own opinions
- Is able to present results of own research in compliance with relevant rules
- Is able to discuss a given topic
- Is able to follow new solutions in management and technological advancements
- Is able to set priorities in performing tasks individually and in a group
- Is able to identify and decide management dilemmas
- Is able to take part in social campaigns and market projects
- Is able to practice entrepreneurial attitude
- Is able to valuate social attitudes in an organization
- Is able to identify non-technical aspects and conditions of engineering activity and to explain its impact upon the
 environment



Page 4 P/QLITECHNIKA ŁÓDZKA
CENTRUM KSZTAŁCENIA
Sekcja Dyplomów
90-924 Łódź, ul. Radwańska 29
tal. 42 631-20-91

Zazgodność z oryginalem 1 6 03 2020 Magdalena Ostaszewska

KOPIA

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Page 4 P/QLITECHNIKA ŁÓDZKA
CENTRUM KSZTAŁCENIA
Sekcja Dyplomów
90-924 Łódź, ul. Radwańska 29
tal. 42 631-20-91

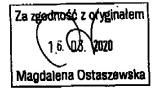
Zazgodność z oryginalem 1 6 03 2020 Magdalena Ostaszewska Programme details (e.g. modules or units studied), and the individual grades/marks/credits (btained KOPIA

Form of classes: L - lecture, T - tutorial, Lab - laboratory, P - project, S - seminar, O - other Semesters: S - summer semester, W- winter semester

Academic Number of hours					ECTS					
Academic year	Code	Course title	L		Lab		S	0	credits	Grade
2014/15 W	0961142001	Basic Technology	30	15	-	15			4	5
2014/15 W	0940703002	Basics of Management	30	30	-		-	-	6	4.5
2014/15 W	0132003000	Engineering Graphics I	15	-	-	30	-	-	4	4
2014/15 W	0980313002	Information Technology		. •	30		-		2	5
2014/15 W	0986000200	Library Skills and Resources	-	-	•	-	-	-	0	pass
2014/15 W	0961143001	Materials Science	30	-	-	-	-	-	2	5
2014/15 W	2101109700	Mathematics I	15	30	-	-		-	4	5
2014/15 W	0921124002	Microeconomics	30	30	-	-	-	-	6	5
2014/(5 W	0986000100	Occupational Health and Safety Training	-	-	-	-	-	-	0	pass
2014/J5 W	0910127002	Sociology	15	15	-	•	•	-	2	5
2014/15 5	0980156002	Computer Science Application in Management	-	-	30	-	-0		3	5
2014/15 S	0961131001	Engineering Graphics II	-	-		30	,	-	3	5
2014/15 S	0922129002	Finance	30	-	-	_	-	-	3	5
2014/15 S	0950141002	Marketing	30	15		-	-	_	4	5
2014/15 S	2101210200	Mathematics II	15	15	5	-	-	-	4	5
2014/15 S	0963141001	Mechanies I	30	30	- 1	-		-	4	5
2014/15 S	0933128002	Quantitative Methods in Business		30	-		-	-	3	5
2014/15 S	0986000300	Selected Topics in the Law on Higher Education	-	-	-	-	-	-	0	pass
2014/15 S	0963142001	Strength of Materials I	30	30	-	-	-	-	4	5
2014/15 S	0913112003	The Logical Principles of Reasoning and Communication	15	15		1-	-	-	2	5
2015/I6 W	0922130002	Corporate Finance	15	30	-		-	-	4	5
2015/16 W	2291122010	English B2	-	60	-	•	-	-	4	4
2015/16 W	0132003200	Fundamentals of Machine Design	30	-	15	-	-	-	4	5
2015/16 W	0940705002	Human Resources Management	30	30		•	-	-	4	5
2015/16 W	0950143003	Marketing Research	15	30	-	-	-	-	4	5
2015/16 W	0963143001	Mechanics II	-	-	15		•	-	2	5
2015/16 W	0940704002	Organization Science	30	30	-	-	-	-	5	5
2015/16 W	2392000032	Physical Education	-	30	-	-		-	1	pass
2015/16 W	0963144001	Strength of Materials II	-	-	15	-	-	-	Ž	
2015/16 S	0980162001	Computer Aided Design	-	-	30			_	2	5
2015/16 S	0933129003	Descriptive Statistics	15	15	30	-	-	_	6	5
2015/16 S	2291122020	English B2+	-	60		•	-	•	4	5
2015/16 S	0924127002	Financial Accounting	15	30	-	-	-	-	4	5
2015/16 S	0980155002	Information Processes	15	15	-	-	-	-	3	4
2015/16 S	2392000042	Physical Education	-	30	-	-	-		1	pass
2015/16 S	0973146101	Production Engineering	30		-	30	-	-	4	4
2015/16 S	0973145101	Production Management	30	30	-		-	-	6	5
2016/17 W	Erasmus sem. I	Camp Kakola project	-	-	-	-	-	-	1	5
2016/17 W	Erasmus sem. 1	Finnish for Exchange Students	•	•			-	-	3	4.5
2016/17 W	Erasmus sem. 1	Healthy Inclusive City Challenge Week	-		-	•	-	-	3	pass
2016/17 W	Erasmus sem. I	Materials and Inventory Management	-		-	4	•	-	3	4.5
2016/17 W	Erasmus sem. 1	Operations Management	-		-		-	-	4	4.5
2016/17 W	Erasmus sem. 1	Product Data Management	-		-	Γ.	-	-	4	4.5
2016/17 W	Erasmus sem. 1	Research Hatchery: 3D Printing	-	-	-	-	-	-	2	4.5
2016/17 W	Erasmus sem. 1	Research Hatchery; Try Out	-		-	-	•	-	2	4.5
		Supply Chain Management	_	-			_			-10



Page 5 POLITECHNIKA ŁÓDZKA CENTRUM KSZTAŁCENIA Sekcja Dyplomów 90-924 Łódź, ul. Radwańska 29 tel. 42 631-20-91



KOPIA

Form of classes; L - lecture, T - tutorial, Lab - laboratory, P - project, S - seminar, O - other Semesters: S - summer semester, W- winter semester

Academic		Number of hours			Number of hours EC7	ECTS	Grade			
year	Code	Course title	L	T	Lab	P	S	0	credits	Grade
2016/17 S	Erasmus sem. 2	Business Financing			•	-	•	, -	5	5
2016/17 S	Erasmus sem. 2	Camp Kakola Project 2	- 1	-	•	-			2	4.5
2016/17 \$	Erasmus sem. 2	Engineering Project	-	-	-	[-		-	5	pass
2016/17 S	2291122599	English B2 Certification	-	-	•	-	-	•	0	5
2016/17 \$	Erasmus sem. 2	Enterprise Resource Planning (ERP)	-	-	-	-	-	-	5	pass
2016/17 S	Erasmus sem. 2	ERP - systems	-	-	•	-	-	-	3	4.5
2016/17 S	Erasmus sem. 2	Industrial Service Business and Productizations (Industrial Service Business and Productizations)	-	-	•			-	5	5
2016/17 S	0940701002	Law	30	-	-	-		-	2	5
2016/17 S	Erasmus sem. 2	Product Development		-	Ŀ	•		ŀ	5	5
2016/17 S	Erasmus sem. 2	Project: Business. me	-	-			Ŀ	Γ	4	pass
2016/17 S	Erasmus sem. 2	Project Work: Smart Factory	-	-	-		-	-	3	5
2016/17 S	Erasmus sem. 2	Risk Management and Economics	-	-		•	-	-	5	5
2016/17 S	0974136002	Safety Management	15	15	-	-	-	•	3	5
2017/18 W	0940738003	Documentation in Enterprise	15		15	-	-	-	3	4.5
2017/18 W	0965128101	Ecology and Economic Development	15	15	15	-	-	•	2	5
2017/18 W	0911126000	Fundamentals of Scientific Research Conducting	15	-	-	•	-	-	2	4.5
2017/18 W	0974132001	Industrial Ergonomics	30	•	15	15	-	-	5	4.5
2017/18 W	0940325002	Intellectual Property Protection	30	-		-	-	-	2	5
2017/18 W	0913775100	Intelligence at Manager's Work	•	30			-	-	3	5
2017/18 W	0972140101	Logistics of Storing	30	-	30	-	-	-	6	5
2017/18 W	0972140001	Manufacturing Costs	30	-	15	•	-	•	4	5
2017/18 W	0913775300	Networks and Network Organizations	15	15		•	-	-	3	5
2017/18 S	0912312003	Diploma Thesis	·		-			-	15	pass
2017/18 S	0911127000	Seminar	$\overline{\cdot}$	•		-	15	1	2	5
2017/18 S	0902115003	Training (20 weeks)	-	•	,	-	-	-	13	pass
					Total	ECT	rs er	edits:	253	

Work placement as set forth in the curriculum:

The student completed a work placement programme required by the curriculum at 19.06.2017 to 31.08.2017. Extra-time practice in the company 115 hours.

Courses realized in the framework of Erasmus sem. I, academic year 2016/17 W, host institution:

Turku University of Applied Sciences

Semesters, S - summer semester, W- winter semester

Academic year		Orig	Original			
	Course title	ECTS points	Grade	ECTS points	Grade	
2016/17 W	Camp Kakola project	-		i	5	
2016/17 W	Finnish for Exchange Students		-	3	4.8	
2016/17 W	Healthy Inclusive City Challenge Week	-		3	pass.	
2016/17 W	Materials and Inventory Management	-		3	4.5	
2016/17 W	Operations Management	-		4	4.5	
2016/17 W	Product Data Management		-	4	4.5	
2016/17 W	Research Hatchery: 3D Printing	-	-	2	4.5	
2016/17 W	Research Hatchery: Try Out			2	4.5	
2016/17 W	Supply Chain Management			4	5	
		Total EC	TS credits:	. 26		

WORLD EDUCATION SERVICES

Received Directly From Institution

Pogs 6/10
POLITECHNIKA ŁÓDZKA
CENTRUM KSZTAŁCENIA
Sekcja Dyplomów
90-924 Łódź, ul. Radwańska 29
tel. 42 631-20-91

Za zgodność z gryginałem

1 6. 83 1070

Magdalena Ostaszewska



Jourses realized in the framework of Erasmus sem. 2, academic year 2016/17 S, host institution:

Turku University of Applied Sciences

Semesters: S - summer semester, W- winter semester

Academic year		Ori	ginal	Recognized by TUL		
	Course title	ECTS points	Grade	ECTS points	Grade	
2016/17 S	Business Financing	·	-	5	5	
2016/17 S	Camp Kakola Project 2	11	-	2	4.5	
2016/17 S	Engineering Project			5	pass	
2016/17 S	Enterprise Resource Planning (ERP)	•		5	pass	
2016/17 S	ERP - systems	-		3	4.5	
2016/17 S	Industrial Service Business and Productizations (Industrial Service Business and Productizations)	-		5	5	
2016/17 S	Product Development			5	5	
2016/17 S	Project: Business, me	· ·	-	4	pass	
2016/17 S	Project Work: Smart Factory	•	-	3	5	
2016/17 S	Risk Management and Economics	 -		5	5	
		Total E	CTS credits:	42		

Information about diploma project and diploma examination;

Title of the thesis:

Grade for the diploma examination: 5.00 Grade for the diploma project: 5.00 Date of the diploma examination: 18.09.2018

4.4. Grading scheme and, if available, grade distribution guidance:

Grading scale for courses, diploma project and diploma examination: 5.0 (five); 4.5 (four and a half); 4.0 (four); 3.5 (three and a half); 3.0 (three); 2.0 (two). The lowest grade and the only failing one is 2.0 (two). Calculation of the final study result is based on: a) weighted average of grades for exams and continuous assessment during the whole study period excluding the grade 2.0 (two); b) grade for the diploma project; c) grade for the diploma examination. The final study result is the sum of: 0.6 of the grade under point a) and 0.2 of the grades under points b) and c). The weight of each grade is equal to the number of ECTS points awarded.

The diploma provides the final grade for studies, which is determined on the basis of the final study result in accordance with the rule: 4.85 and higher - excellent (celujqcy); 4.55 - 4.84 - very good (bardzo dobry); 4.2 - 4.54 - more than good (ponad dobry); 3.8 - 4.19 - good (dobry); 3.4 - 3.79 - satisfactory (dość dobry); up to 3.39 - sufficient (dostateczny).

4.5. Overall classification of the qualification 1): excellent (celujacy)

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

- 5.1. Access to further study: second-cycle studies, non-degree postgraduate programmes
- 5.2. Professional status (if applicable):

The holder of the qualification is entitled to professional work with no additional certification.

6. ADDITIONAL INFORMATION 3)

6.1. Additional information, including placements and awards: not applicable



POLITECHNIKA ŁÓDZKA CENTRUM KSZTAŁCENIA Sekcja Dypłomów Page 7 / 10 90-924 Łódź, ul. Radwańska 29 tel. 42 631-20-91 Za zgodność z oryginałem 1 ô. 83 2020

Magdalena Ostaszewska



Lodz University of Technology - www.p.lodz.pl
Ministry of Science and Higher Education, 00-529 Warszawa 53, ul. Współna 1/3 - www.nauka.gov.pl
Department of International Affairs and Recognition of Diplomas of the Ministry of Science and Higher
Education, ENIC-NARIC Poland - www.nauka.gov.pl
ECTS - http://ectslabel.p.lodz.pl

7. CERTIFICATION OF THE SUPPLEMENT

- 7.1. Date: 25 September 2018
- 7.2. Signature of the head of the organizational unit:

dr hab ing Zbigniew Wiśniewski, prof. PŁ

- 7.3. Capacity: Dean of the Faculty of Management and Production Engineering
- 7.4. Official seal of the institution





POLITECHNIKA ŁÓDZKA CENTRUM KSZTAŁCENIA Sekcja Dyplomów 90-924 Łódź, ul. Radwańska 29 tel. 42 631-20-91 Za zgodność z oryginałem 1 6. 03 /2020 Magdalena Ostaszewska



8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

8.1. Higher education admission criteria

The total number of years of education until graduation giving one the right to sit the maturity examination (egzamin maturalny) is 12-15. Having passed the maturity examination (egzamin maturalny), graduates receive maturity certificates (świadectwo dojrzalości), which gives them the right to apply for admission to a higher education institution.

8.2. Higher education system

The system of higher education and the principles of its operation are set forth in the Law of 27 July 2005 – Higher Education Act (Journal of Laws [Dziennik Ustaw] No. 164, item 1365, as amended). Provisions of the Act apply both to public and non-public higher education institutions and their educational activity follows the same principles and meets the same requirements.

Higher education institutions (HEIs), regardless of their status, are divided into university-type HEIs (uczelnie akademickie) and non-university-type HEIs (uczelnie zawodowe).

A university-type HEI is a higher education institution in which at least one organizational unit holds the right to confer the academic title of doktor.

A non-university type HEI is a higher education institution providing first-cycle and/or second-cycle and/or long-cycle degree programmes which does not hold the right to confer the academic degree of doktor.

Degree programmes in HEIs are organized into first-cycle, second-cycle or long-cycle programmes and into studia doktoranckie (third-cycle programmes).

First-cycle programmes are further divided into 6- or 7-semester programmes leading to the degree of *licencjai* (studia licencjackie), and 7- or 8-semester programmes leading to the degree of intynier (studia intynierskie), Second-cycle degree programmes take 3 or four semesters.

Long-cycle degree programmes take from 9 to 12 semesters.

Studia doktoranckie may not take longer than 4 years. In separate proceedings, pursuant to the Law of 14 March 2003 on academic degrees, academic titles and degrees and titles in arts (Journal of Laws [Dziennik Ustaw] No. 65, item 595, as amended) the academic degree of doktor and the degree of doktor sztuki (in arts) are awarded. First-, second- and long-cycle programmes as well as studia doktoranckie may be provided as full-time or part-time programmes.

8.3. Titles awarded to graduates of higher education institutions

- licencjat, licencjat pielęgniarstwa (nursing) or licencjat polożnictwa (obstetrics), inżynier, inżynier pożarnictwa (fire engineering), inżynier architekt (architecture), inżynier architekt krajobrazu (landscape architecture) awarded to graduates of first- cycle degree programmes,
- magister or equivalent titles: magister szruki (fine aris), magister farmacji (pharmacy), magister inżynier, magister inżynier architekt (architecture), magister inżynier architekt krajobrazu (landscape architecture), magister inżynier pożarnictwa (fire engineering), magister pielegniarstwa (nursing), magister położnictwa (obstetrics), lekarz (physician), lekarz dentysta (dentists), lekarz weterynarii (veterinarian) awarded to graduates of second-cycle degree programmes.

8.4. Credit points

The number of ECTS points to be earned as set forth in the curriculum is 30 per semester of study and 60 per year of study. In order to graduate from a first-cycle degree programme and obtain the diploma, the student is required to have earned at least 180 ECTS points; to graduate from a second-cycle degree programme – at least 90 ECTS points; from a long-cycle degree programme – at least 300 ECTS points for a five-year programme, and 360 ECTS points for a six-year degree programme.

¹⁾ In case of translation into a foreign language, the content remains in the original language,



Page 9 / 10

POLITECHNIKA ŁÓDZKA CENTRUM KSZTAŁCENIA Sekcja Dyplomów 90-924 Łódź, ul. Radwańska 29 tel. 42 631-20-91 Za zgodność z oryginałem 1 6. 03. 2020

Magdaleria Ostaszewska



8.5. Degrees, degrees in fine arts, titles, titles in fine arts

Academic degrees, degrees in arts and the academic title of professor are awarded pursuant to the Law of 14 March 2003 on academic degrees, academic titles and degrees and titles in arts (Journal of Laws [Dziennik Ustaw] No. 65, item 595, as amended).

The degree of doktor and doktor habilitowany in a specific field of study of a specific discipline of science are academic degrees. The degree of doktor sztuki and doktor habilitowany sztuki in a specific field of arts of a specific discipline of arts are degrees in arts. Academic degrees and degrees in arts are awarded by organizational units of HEIs and Polish Academy of Sciences as well as by research institutions according to the limits of their powers.

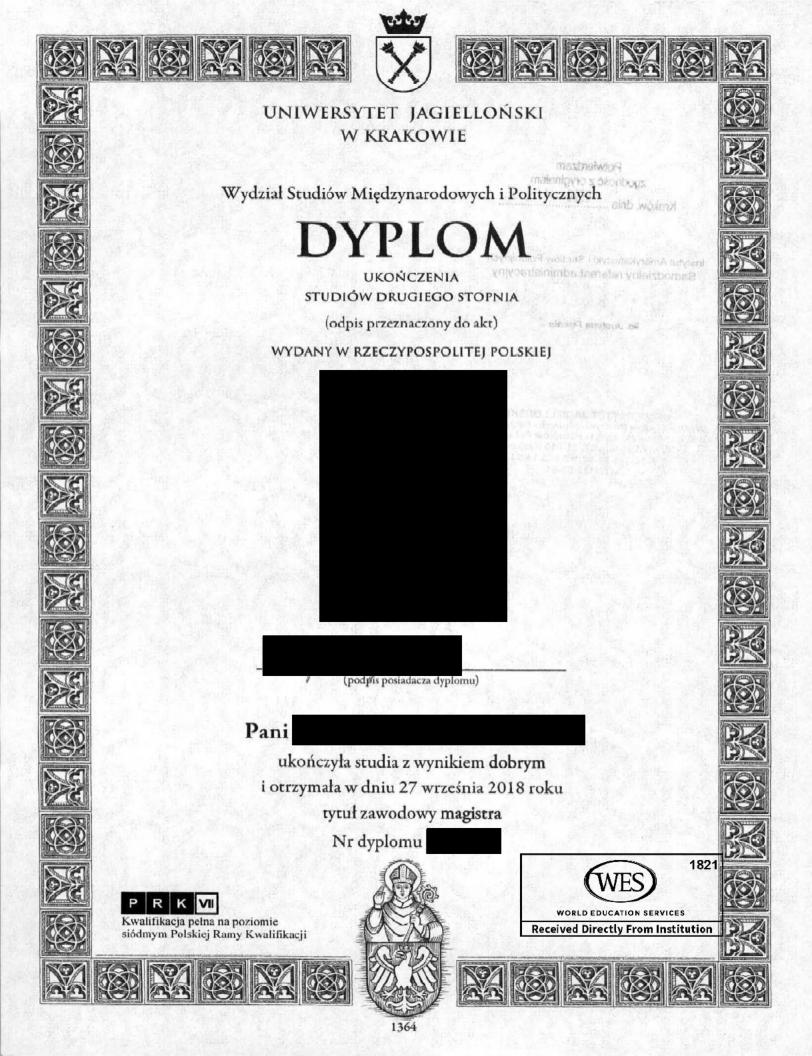
Professor of a specific field of study is an academic title. *Profesor sztuki* of a specific field of arts is a title in arts. The title of *profesor* is awarded by the President of the Republic of Poland.

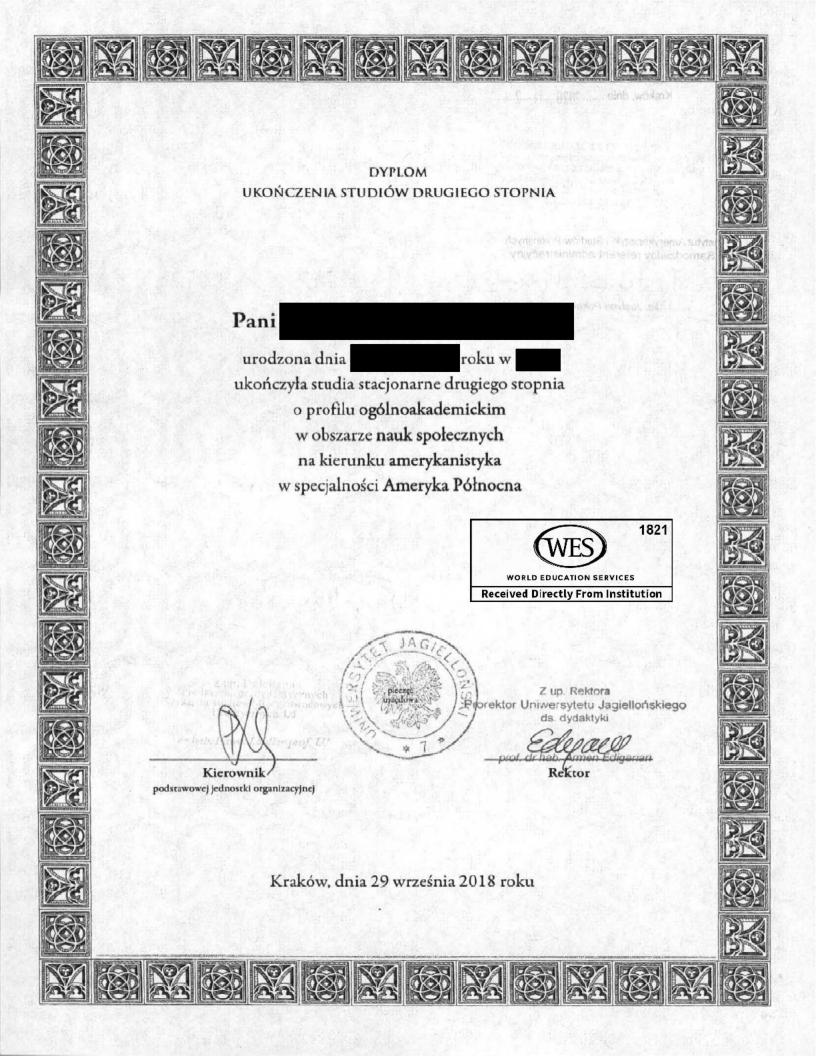


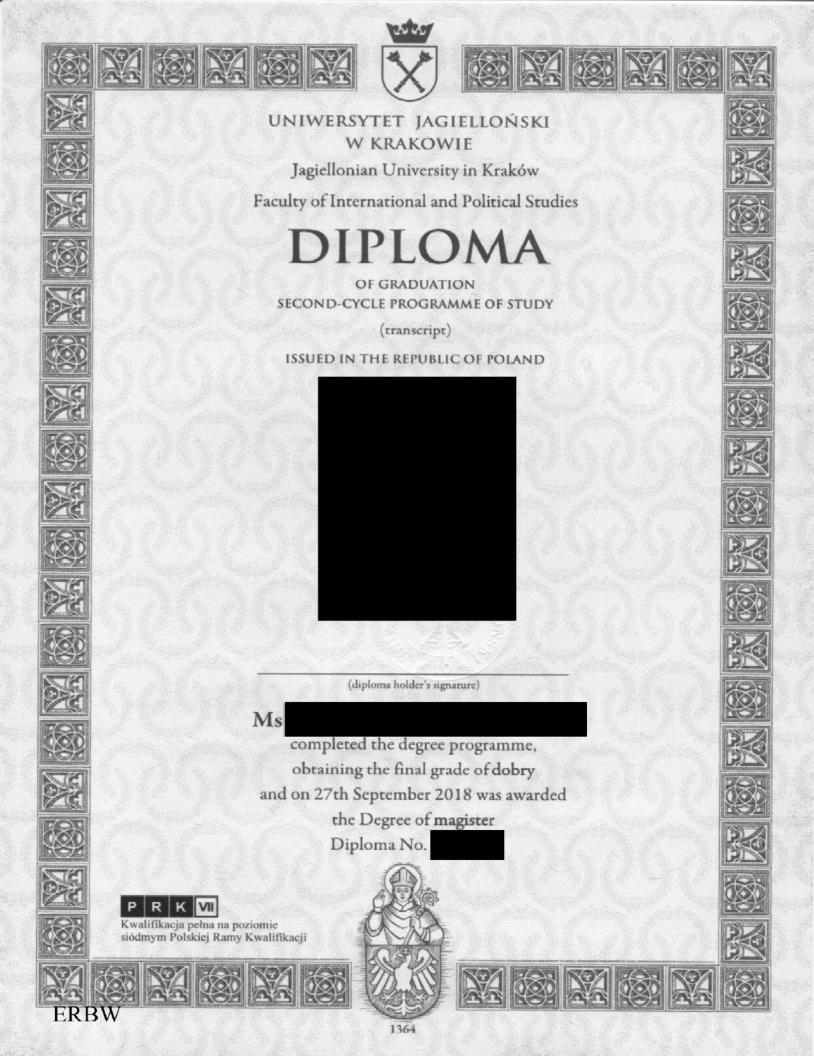
1) In case of translation into a foreign language, the content remains in the original language.

Puge 10 / 10

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Jagiellonian University in Kraków

This Diploma Supplement is based on the model drafted by the European Commission, the Council of Europe, and UNESCO/CEPES. The purpose of the Supplement is to provide comprehensive and objective information fostering the full comprehension and fair evaluation of academic and professional qualifications in and outside the country in which they were awarded. It gives a description of the nature, level, context, content, and status of the programmes that were pursued and successfully completed by the individual named in the original Diploma to which this Supplement is appended. The description should not contain any evaluative judgements, statements concerning equivalence, or suggestions regarding recognition. Information should be provided in all eight sections of the Supplement. Where information is not provided, an explanation should be given for its omission.

DIPLOMA SUPPLEMENT (TRANSCRIPT)

Valid with Diploma No.

1. INFORMAT	ION IDENTIFYING	THE HOLDER O	F THE DIPLOMA
1.1. Surname:			
1.2. Names:		MAKE STATES OF THE PARTY OF THE	

1.3. Date of birth (day, month, year):

1.4. Student identification number or code, or Album Studiosorum number:

2. INFORMATION IDENTIFYING THE DIPLOMA4)

2.1. Professional qualification conferred1): magister

- 2.2. Field of study, specialisation and educational profile: American Studies, Specialisation North America, academic
- 2.3. Name and status of awarding institution¹⁾:

Uniwersytet Jagielloński w Krakowie

The Jagiellonian University is a public institution of higher education operating pursuant to the Polish Higher Education Act of 27 July 2005 (the official Polish journal of laws and statutes Dziennik Ustaw 30 August 2005, No. 164 with later amendments). It was founded on 12 May 1364 by King Casimir the Great, who endowed the Studium Generale of Kraków with a foundation charter. The Jagiellonian University is authorised to confer the degrees of Doctor and Doctor Habilitated, and to submit applications for the conferral of professorships.

2.4. Name and status of institution conducting the programme (if different from institution named in Point

2.3.)2):

not applicable

2.5. Language(s) of instruction/examination: Polish

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1. Level of the qualification³⁾: second-cycle, full qualification at Polish Qualifications Framework level seven
- 3.2. Duration of the programme in accordance with the curriculum: 2 years
- 3.3. Admission requirements: An average grade for first-cycle programmes.

4. INFORMATION ON THE CURRICULUM OF THE PROGRAMME AND RESULTS ACHIEVED⁴⁾

- 4.1. Mode of study: full-time
- 4.2. Programme requirements:

Graduates who complete the programme of study have acquired the learning outcomes specified in Resolution No. 34/III/2012 adopted by the Senate of the Jagiellonian University on 28th March 2012 on the introduction of learning outcomes for particular fields of study conducted at the Jagiellonian University as of the 2012/2013 academic year, with later amendments. Graduates hold the following qualifications as regards knowledge, skills, and social competences:

KNOWLEDGE

- An advanced knowledge on the individual's situation in society in the historical and contemporary

perspective

An extended knowledge of the basic structures and institutions of the societies in the countries of America
 An advanced knowledge of the origins and development of the structures, relations, and social standards

 An advanced knowledge of the origins and development of the structures, relations, and social standards prevalent on the American continents

- An extended knowledge of the social, political, economic, and legal institutions operating in the countries of America
- A broad knowledge of the political systems, socio-political organisations, and contemporary social, political, and cultural processes in the countries of America, both as regards domestic and external aspects
- A broad knowledge of the methods and instruments applied to collect data for the analysis of processes in American Studies
- Knowledge of a variety of social, economic, political, and cultural theories valid for the American dimension
- An extended knowledge of the characteristic features of the American democracies and civil societies and their role in relations with other countries
- An extended knowledge of the mechanisms governing migration, ethnic, and racial processes in the American context, and their consequences
- A broad knowledge of the role and significance of the media and cultural institutions in contemporary American societies
- Knowlegde and appreciation of the principles for the protection of intellectual and industrial property
- A detailed knowledge in the specialist field

SKILLS

- Ability to recognise the processes taking place in American societies and countries
- Ability to produce an accurate analysis of the social and cultural behaviours observed in the public life of American societies
- Ability to apply his/her theoretical knowledge to analyse and understand the political, legal, economic, and cultural processes taking place in the countries of America
- Ability to examine, explain, and give a prognosis of the role of the social, political, and economic structures in the contemporary societies of America, especially in a comparative approach
- Ability to apply his/her theoretical knowledge at an advanced level on a variety of social norms operating in the countries of America
- An advanced ability to collect information on the social phenomena characteristic for the countries of America and to present it orally and in writing
- An advanced ability to apply appropriate research methods and instruments to analyse processes occurring in American societies
- An advanced ability to analyse the relations between a given American society and the political, legal, economic, and cultural phenomena ensuing in it
- Ability to recognise the causes and effects of the migration, ethnic, and racial processes in the American societies, especially in a comparative approach
- An appreciation of the mechanisms governing the creation and operation of the multicultural societies inhabiting the American continents, and ability to analyse and explain these mechanisms
- An advanced ability to give a prognosis of the social phenomena ensuing on the American continents
- Proficiency in a foreign language at the B2+ level on the Common European Framework of Reference for Languages
- Skills resulting from a detailed knowledge of his/her specialisation

SOCIAL COMPETENCES

- Appreciation of the role he/she should play in social affairs by applying his/her advanced knowledge and skills and by their effective dissemination to others
- Fully qualified for employment in social institutions with a structure and character corresponding to institutions operating on the American continents
- Appreciation of the need to acquire more knowledge and develop his/her skills by embarking on a third-cycle programme of study or by participating in conferences and other scholarly events
- An appreciation and capacity for activities carrying out important tasks in large social groups or organisations, and ability to initiate such activities
- Appreciation of the value of his/her knowledge and skills, and their application in public affairs, including his/her professional activities
- A profound social sensitivity to problems associated with ethnic and racial differences and all manner of discrimination
- Ability to design complex social projects on his/her own or working with others to achieve the best possible effectiveness and quality in his/her work

perspective

An extended knowledge of the basic structures and institutions of the societies in the countries of America
 An advanced knowledge of the origins and development of the structures, relations, and social standards

 An advanced knowledge of the origins and development of the structures, relations, and social standards prevalent on the American continents

- An extended knowledge of the social, political, economic, and legal institutions operating in the countries of America
- A broad knowledge of the political systems, socio-political organisations, and contemporary social, political, and cultural processes in the countries of America, both as regards domestic and external aspects
- A broad knowledge of the methods and instruments applied to collect data for the analysis of processes in American Studies
- Knowledge of a variety of social, economic, political, and cultural theories valid for the American dimension
- An extended knowledge of the characteristic features of the American democracies and civil societies and their role in relations with other countries
- An extended knowledge of the mechanisms governing migration, ethnic, and racial processes in the American context, and their consequences
- A broad knowledge of the role and significance of the media and cultural institutions in contemporary American societies
- Knowlegde and appreciation of the principles for the protection of intellectual and industrial property
- A detailed knowledge in the specialist field

SKILLS

- Ability to recognise the processes taking place in American societies and countries
- Ability to produce an accurate analysis of the social and cultural behaviours observed in the public life of American societies
- Ability to apply his/her theoretical knowledge to analyse and understand the political, legal, economic, and cultural processes taking place in the countries of America
- Ability to examine, explain, and give a prognosis of the role of the social, political, and economic structures in the contemporary societies of America, especially in a comparative approach
- Ability to apply his/her theoretical knowledge at an advanced level on a variety of social norms operating in the countries of America
- An advanced ability to collect information on the social phenomena characteristic for the countries of America and to present it orally and in writing
- An advanced ability to apply appropriate research methods and instruments to analyse processes occurring in American societies
- An advanced ability to analyse the relations between a given American society and the political, legal, economic, and cultural phenomena ensuing in it
- Ability to recognise the causes and effects of the migration, ethnic, and racial processes in the American societies, especially in a comparative approach
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- An advanced ability to give a prognosis of the social phenomena ensuing on the American continents
- Proficiency in a foreign language at the B2+ level on the Common European Framework of Reference for Languages
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SOCIAL COMPETENCES

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- A profound social sensitivity to problems associated with ethnic and racial differences and all manner of discrimination
- Ability to design complex social projects on his/her own or working with others to achieve the best possible effectiveness and quality in his/her work

4.3. Programme details: modules or units studied, and the individual achievements, grades/ECTS credits obtained:

Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
2016/2017 winter semester	POPULE NAME OF STREET	t such country by most	
Contemporary Legal and Political Institutions	cw 30	[5]	3
Copyright Law	wyk 15	[3,5]	1
English - Faculty of International and Political Studies	lek 30	[4,5]	2
Humour in Contemporary Native American Fiction and Movies	wyk 30	[5]	3
Introduction to American Studies	cw 30	[4,5]	3
Political Systems of the U.S. and Canada	wyk 30 / cw 60	[3,5/4,5]	8
Presidential Elections in the United States	wyk 30	[4,5]	3
Religion in the Public Sphere of the USA.	wyk 30	[3,5]	3
Safety at Work Training	el 4	[ZAL]	0
Seminar on Canadian Issues	cw 30	[3]	3
Transatlantic Migrations	wyk 30	[3,5]	2
2016/2017 summer semester	m2 to reaching with	alabe de la remaina	en anger ja et. Er afrantiset
American Rhetoric	wyk 30	[5]	3
Biotechnology and the U.S. Armed Forces	wyk 30	[3,5]	3
Canadian Society	wyk 30	[3]	2
English - Faculty of International and Political Studies	lek 30	[3,5]	2
English Exam B2+ Level	egz	[4,5]	0
History of the United States in Comparative Perspective	cw 30	[3]	3
Silicon Valley and American Economic Culture - the History of DIgital Revolution	wyk 30	[4,5]	3
Statistics and Qualitative Methods	wyk 30 / cw 30	[3,5/4,5]	5
The American System of Law	wyk 30 / cw 30	[3,5/4,5]	5
U.S. in International Relations	wyk 30 / cw 30	[3/3,5]	5
2017/2018 winter semester	nation of the section	The make allowed and	
American and Canadian Film	wyk 30 / cw 30	[4/4]	5
American and Canadian Theatre	wyk 30 / cw 30	[5/5]	5
Economic Development of USA and Latin America	wyk 30	[3]	3
History of the 1980s	wyk 30	[5]	3
Introductory Seminar	psm 30	[5]	3
Media Research in American Perspective	wyk 30	[4]	2
Multicultural Writers in North America	wyk 30	[3]	3
Social Anthropology	wyk 30 / cw 30	[5/5]	5
U.S. Society	cw 30	[5]	3
2017/2018 summer semester		s lin to nonstance	
American Political, Social, Legal and Economic Though	t wyk 30 / cw 30	[5/5]	5
American Youth Culture	wyk 30	[4]	3
History and Contemporaneity of Brasil	wyk 30	[4]	3
History of the 1990s	wyk 30	[4,5]	3
Modern Economic Mechanisms	cw 30	[4]	3
Seminar	sem 30	[4]	9
U.S. Foreign Policy: Mechanisms and Directions	wyk 30	[3]	2
Course code description			
rw class egz	exam		
el e-learning lek osm seminar sem		language class	
ssm seminar sem vyk lecture sem	seminar		

Grades outside brackets are course grades, grades inside brackets are grades for the classes, vertical bar separates grades for various classes, semicolon separates grades on various exam reports, space separates grades on the same exam report, order of grades on a report follows

Topic of diploma dissertation							
Components of the final grade							
Name of the component	Weight	Grade	ECTS credits				
Average grade:	4/8	3,84	122				
Thesis grade:	3/8	4	0				
Final examination grade:	1/8	4	0				
ECTS in total:			122				

4.4. Grades scale and, if available, mode of the award of grades:

Pursuant to § 5 Part 2 of the Regulations of First- and Second-Cycle Programmes of Study, and of Long-Cycle Magister Programmes of Study, (adopted by the Senate of the Jagiellonian University in Resolution No. 45/IV/2015 on 29 April 2015, with later amendments), examination grades and marks obtained for course credits are awarded in accordance with the following scale:

Very Good - 5.0; Good Plus - 4.5; Good - 4.0; Satisfactory Plus - 3.5; Satisfactory - 3.0; Fail - 2.0.

The Jagiellonian University's five-level scale of grades is a diminishing scale, in which the top grade is 5.0, and the lowest (Fail) is 2.0.

Pursuant to § 5 Parts 6-10 of the Regulations of Study at the Jagiellonian University, a student's mean grade for any given academic year or for his/her full syllabus is calculated as the weighted mean of all the grades and marks (including all grades of Fail) obtained in the given period, with weightings determined on the basis of the applicable ECTS points.

The weighted mean is calculated in the following manner:

a) the numerical grade (mark) awarded for each subject prescribed in the computational base for the weighted mean is multiplied by the applicable number of points;

b) the results of the multiplication are added together;

c) the sum obtained in point b) is divided by the sum of the points for all the subjects prescribed as part of the computational base of the mean grade;

d) the result is rounded up to the second place after the decimal point.

A student's overall grade in his/her syllabus is calculated in compliance with § 22 Parts 1-4 of the Regulations of Study at the Jagiellonian University. *

Pursuant to § 22, the computational base for a student's overall grade in his/her programme of study comprises:

- a) his/her mean grade for all the subjects prescribed by the syllabus for his/her programme of study, calculated in accordance with § 5 Parts 6-9 of the Regulations of Study at the Jagiellonian University; * b) the grade awarded for his/her diploma dissertation;
- c) the grade obtained in his/her diploma examination, or the arithmetic mean of the grades obtained in the event of two attempts of taking the diploma examination.
- A student's final grade is calculated as the sum of 4/8 of his/her mean grade as defined in § 22 Part 1 Point a), 3/8 of his/her grade as defined in § 22 Part 1 Point b), and 1/8 of his/her grade as defined in § 22 Part 1 Point c). The Council of a basic administrative unit may adopt a different manner for the computation of a student's final grade, other than the manner defined above, provided that the mean grade for all the subjects as defined in § 22 Part 1 Point a) is not weighted at less than ½ of the final grade. If neither the writing and presentation of a diploma dissertation nor a diploma examination are prescribed as obligatory in the curriculum and programme of study in compliance with the prescribed educational standards, the student graduates on completion of all the subjects as required by the curriculum, with the final grade determined by his/her mean grade defined under § 22 Part 1 Point a). The overall grade is calculated with an accuracy to the second place after the decimal point and rounded up.

Pursuant to § 23 Part 4 of the Regulations of Study at the Jagiellonian University, the student's final grade on graduation is entered on his/her graduation certificate (diploma), in compliance with the following scale of grades:

4.51-5.00 - Very Good (bardzo dobry); 4.21-4.50 - Good Plus (dobry plus); 3.71-4.20 - Good (dobry); 3.21-3.70 - Satisfactory Plus (dostateczny plus); up to 3.20 Satisfactory (dostateczny).

The student's final grade is rounded up to the full grade only on his/her graduation diploma and its supplement.

^{*} Pursuant to § 42 Part 6 of the Regulations for Study in the Jagiellonian University, if part of a student's curriculum was not subject to the grade point system, the mean grade for all of the subjects on his/her syllabus, which provides the base for his/her overall grade on graduation, is calculated as an arithmetic mean.

^{4.5.} Final grade on graduation¹⁾: dobry

5. INFORMATION ON THE HOLDER'S QUALIFICATIONS

5.1. Access to further study: Doctoral studies, postgraduate studies

5.2. Professional qualifications (if applicable): not applicable

6. ADDITIONAL INFORMATION⁴⁾

6.1. Additional information, including internships and placements completed, awards and distinctions: not applicable

6.2. Further sources of information:

Website of the Jagiellonian University: www.uj.edu.pl; Statute of the Jagiellonian University as well as Regulations for First-Cycle, Second-Cycle, and Long-Cycle Magister Programmes of Study available on website of the Jagiellonian University Public Information Bulletin: www.bip.uj.edu.pl; ENIC/NARIC centre for recognition of documents regarding qualifications in Poland (e-mail: enic-naric@nauka.gov.pl); website of the Ministry of Science and Higher Education: www.nauka.gov.pl; website of the Polish Accreditation Committee: www.pka.edu.pl

7. CERTIFICATION OF THE SUPPLEMENT

- 7.1. Date: 29th September 2018
- 7.2. Signature and name stamp of the head of the institutional unit⁵⁾:

7.3. Official university seal:



z up. Tzekina Prodziekanda Jydaktycznych Wydzialu Studiov Alestynarodowych i Politycznych UJ

dr hab. Pawel Laider prof. UJ

¹⁾ In the case of translation into English - the content shall be entered in original language.

²⁾ Indicate the status of the institution conducting the programme: State, non-State/State-recognised; indicate the name (in the original language) of the institution of higher education jointly offering the programme.

Information concerning the level of the Polish Qualifications Framework assigned to qualifications conferment of which is confirmed by the diploma shall be provided.

⁴⁾ If necessary additional pages may be appended for information in Points 2.3., 2.4., 4.2. - 4.4., 6.1., and 6.2.

⁵⁾ In the case of degree programmes conducted in accordance with Article 31a of the Act of 27th July 2005 – Law on Higher Education (Dziennik Ustaw of 2016, items 1842, 1933, 2169 and 2260, as well as Dziennik Ustaw of 2017, item 60) instead of signature and name stamp of the head of the institutional unit there should be signature and name stamp of the head of the inter-institutional unit or the joint unit.

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

8.1. Access to the higher education

The total duration of education in Poland until completion of a school which offers the possibility of taking the secondary school leaving examination (maturity examination) is 12 - 15 years. On passing the secondary school leaving examination (maturity examination), school leavers are awarded a secondary school leaving certificate (maturity certificate) or a secondary school leaving certificate together with a document certifying results of the maturity examination from particular subjects which entitles them to apply for admission to a degree programme.

8.2. The Polish system of higher education

The Polish system of higher education and the principles of its operation are laid down in the Act of 27 July 2005 – Law on Higher Education (*Prawo o szkolnictwie wyższym:* Dziennik Ustaw of 2016, items 1842, 1933, 2169 and 2260, as well as Dziennik Ustaw of 2017, item 60). Its provisions are applied both to public and non-public institutions of higher education, in which programmes are offered on the same principles and upon satisfaction of the same requirements.

Institutions of higher education are classified irrespectively of status, into an academic and a professional division.

An institution of academic higher education (uczelnia akademicka) is a school conducting research in which at least one of its institutional units is entitled to award the academic degree of Doktor.

An institution of professional higher education (uczelnia zawodowa) is a school offering first- or second-cycle programmes or long-cycle programmes which is not entitled to award the academic degree of Doktor.

Programmes are offered as first-cycle, second-cycle and long-cycle programmes (tertiary education), and third cycle programme (doctoral programme).

Tertiary education as well as doctoral programme may be delivered as full-time and part-time programmes.

First-cycle programmes leading to a *Licencjat* qualification last at least six semesters or a programme leading to an Inżynier qualifications last at least seven semesters. Second-cycle programmes last from three to five semesters.

Long-cycle programmes leading to a Magister qualification last from nine to twelve semesters.

Part-time degree programmes may last one or two semesters longer than respective full-time programmes.

Doctoral programmes last not less than 2 years and a maximum of 4 years. Upon completion graduates are awarded a doctoral certificate. The academic degree of *Doktor* ("Doctor") or *Doktor w Zakresie Sztuki* ("Doctor of the Creative Arts") is conferred in a separate procedure under the provisions of the Act on Academic Degrees and the Academic Title and in the Degrees and Title in the Creative Arts of 14 March 2003 (*Ustawa z dnia 14 marca 2003 r. o stopniach naukowych i tytule naukowym oraz o stopniach i tytule w zakresie sztuki*, Dziennik Ustaw of 2016, item 882 and 1311).

Qualifications acquired within higher education are assigned to the level of the Polish Qualifications Framework specified in the Act of 22nd December 2015 on the Integrated Qualifications System (Dziennik Ustaw of 2016, item 64 and 1010, as well as Dziennik Ustaw of 2017, item 60).

Diploma of a first cycle degree programme completion confirms attainment of a full qualification on the sixth level of the Polish Qualifications Framework.

Diploma of a second cycle degree programme or a long cycle Magister degree programme completion confirms attainment of a full qualification on the seventh level of the Polish Qualifications Framework.

A doctoral diploma confirms attainment of a full qualification on the eight level of the Polish Qualifications Framework.

8.3. Qualifications awarded to graduates of degree programmes

- licencjat, licencjat pielęgniarstwa or licencjat polożnictwa, inżynier, inżynier pożarnictwa, inżynier architekt and inżynier architekt krajobrazu are conferred on graduates of first-cycle programmes;
- magister and its equivalent qualifications: magister inżynier, magister inżynier architekt, magister inżynier architekt krajobrazu, magister inżynier pożarnictwa, magister pielęgniarstwa, magister położnictwa, magister sztuki – are conferred on graduates of second-cycle programmes;
- magister and its equivalent qualifications: lekarz, lekarz dentysta, lekarz weterynarii, magister farmacji, magister sztuki are conferred on graduates of long-cycle programmes.

8.4. ECTS credits

The number of ECTS credits provided by the syllabus envisaged for one semester ranges is 30, and 60 ECTS credits may be awarded for a full year of study. Students must collect 180 ECTS credits to complete a first-cycle programme, at least 90 ECTS credits to complete a second-cycle programme, at least 300 ECTS credits to complete a five-year long-cycle programme, and 360 ECTS credits to complete a six-year long-cycle programme.

8.5. Academic degrees, degrees in the creative arts, the academic title, and the academic title in the creative arts.

Academic degrees, degrees in the creative arts, the academic title, and the academic title in the creative arts are awarded under the provisions of the Act on Academic Degrees and the Academic Title and in the Degrees and Title in the Creative Arts of 14 March 2003 (Ustawa z dnia 14 marca 2003 r. o stopniach naukowych i tytule naukowym oraz o stopniach i tytule w zakresie sztuki, Dziennik Ustaw No. 65, Item. 595 with later amendments).

The academic degrees are the degrees of *Doktor* and *Doktor Habilitowany* of a specific field of scholarship in a given scholarly discipline. The degrees awarded in the creative arts are the degrees of *Doktor* and *Doktor Habilitowany* of a specific field of the creative arts in a given discipline of the creative arts. Academic degrees are conferred by institutional units of higher education institutions, research units of the Polish Academy of Sciences, research and development institutions, and international research institutes founded on the basis of separate provisions which operate in the Republic of Poland in compliance with their powers of conferral.

The academic title is the title of *Profesor* of a specific field of scholarship, while the equivalent title in the creative arts is the title of *Profesor* of a specific field of the creative arts. The title of *Profesor* is conferred by the President of the Republic of Poland.

Page 6 of 6





DYPLOM DOKTORSKI

UNIWERSYTET IM. ADAMA MICKIEWICZA W POZNANIU ul. H. Wieniawskiego 1, 61-712 Poznań

	Wydział Fizyki	
	(nazwa jednostki organizacyjnej szkoły wyższej)	
	(imiona i nazwisko)	
urodzony. dnia	r. w	
na podstawie prze	dstawionej rozprawy doktorskiej	
The podstawie pres	(tytuł rozprawy)	
uzyskał stopi	eń naukowy doktora (nazwa nadanego stopnia doktora)	
w dziedzinie nauk	ścisłych i przyrodniczych w zakresie nauk fizycznych (dyscyplina naukowa)	
	20 września 2019	

Poznań, 10.10.2019 r. (miejscowość i data sporządzenia odpisu)



prof. UAN dr hab. Andrzej Lesicki.

(pieczątka imienna i podpis kierownika podmiotu doktoryzującego albo osoby przez niego upoważnionej)



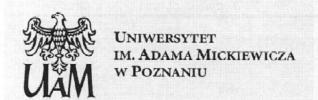




UNIWERSYTET IM. ADAMA MICKIEWICZA W POZNANIU ul. H. Wieniawskiego 1, 61-712 Poznań

Faculty of Physics (university organizational unit)
This is to certify that
(name(s) and surname)
born on in
has submitted a doctoral dissertation entitled
has been admitted to the scholarly degree of
DOCTOR
in Physical sciences
in the field ofPhysics
awarded on 20 September 2019
Andrey dere
Poznań., 10 October 2019. place and date prof. UAM dr h.b. Andrzej Lesicki name stamp and signature of the head of doctoral degree awarding institution or an authorized representative
A S S S S S S S S S S S S S S S S S S S





ADAM MICKIEWICZ UNIVERSITY IN POZNAŃ Faculty of Physics Uniwersytetu Poznańskiego 2, 61-614 Poznań, Poland

Stamp of the organizational unit

Poznań, 19.10.2020

TRANSCRIPT OF RECORDS ADAM MICKIEWICZ UNIVERSITY, POZNAŃ

INFORMATION ON THE STUDENT

Surname:

First name(s): .

Date of birth (day, month, year):

Student identification number or code:

1778 WORLD EDUCATION SERVICES **Received Directly From Institution**

INFORMATION ON THE STUDIES

Educational profile: academic

Date of beginning of the studies: 07.10.2015

Date of admission to the study programme: 07.10.2015

INFORMATION ON THE RESULTS GAINED

Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
Academic year 2015/2016, summer semester		(OS) Electrical	Mark Control
(04-W-NCQP-45) Nonlocality and Contextuality in Quantum Physics	wyk 30 / sem 15	5 [5/5]	4
Academic year 2015/2016			
(04-semwydział1-DD) Faculty seminar	sem 60	[5]	2
(51-BHP-Dokt) Szkolenie BHP dla doktorantów	wyk 2	[zal]	
(04-Prakt-zaw-DD) teacher practice	pra 60	[5]	2
(04-Warszt-bad-DD) Work with scientific supervisor	war	[5]	1
Academic year 2016/2017			
(04-semwydział1-DD) Faculty seminar	sem 60	5	2
(04-Prakt-zaw-DD) teacher practice	pra 60	5	2
(04-Warszt-bad-DD) Work with scientific supervisor	war	5	1
(51-KP-WYKŁ-Ang) Wykład z Kształcenia Psychopedagogicznego w języku angielskim.	wyk 10	[5]	2
Academic year 2016/2017, winter semester			
(04-W-QIQO-45) Quantum information	wyk 30 / sem 15	5 [5/5]	4
Academic year 2016/2017, summer semester		minus de la situ	
(04-W-CCPC-45) C/C++ programming course	wyk 30 / cw 30	4 [4/4]	
Academic year 2017/2018			
(04-semwydział1-DD) Faculty seminar	sem 60	5	-2
(04-Prakt-zaw-DD) teacher practice	pra 60	5	2
(04-Warszt-bad-DD) Work with scientific supervisor	war	5	1
Academic year 2017/2018, winter semester			
(03-KJP10-SZ) Polish language course (10 hours per week)	lek 150	[5]	10
Academic year 2017/2018, summer semester			
(04-W-PPDS-45) Parallel Processing in Distributed Systems	wyk 15 / cw 15	5 [5/5]	5
Academic year 2018/2019			
(04-semwydział1-DD) Faculty seminar	sem 60	5	-2

Courses by didactic cycles	Type/No. of hrs	Grade	EĆTS
Academic year 2018/2019			
(04-FILOZ-DD) Philosophy	wyk 30	5	1
(04-Prakt-zaw-DD) teacher practice	pra 60	5	22
(04-Warszt-bad-DD) Work with scientific supervisor	war	5	12
Academic year 2018/2019, summer semester			
(04-IC2DNX) Introduction to Carbon and 2D Nanoelectronics	wyk	5	2
	ECTS in to	otal:	38



ADAM MICKIEWICZ UNIVERSITY IN POZNAŃ
Faculty of Physics
Uniwersytetu Poznańskiego 2, 61-614 Poznań, Poland

Signature and name-bearing stamp of the head of a doctoral programme

Official seal of the University

Adam Mickiewicz University, Poznań applies the following system of grades awarded for examinations and credits:

- very good (bardzo dobry; bdb; 5,0),
- good + (dobry plus; db plus; 4,5),
- good (dobry; db; 4,0),
- satisfactory + (dostateczny plus; dst plus; 3,5),
- satisfactory (dostateczny; dst; 3,0),
- unsatisfactory (niedostateczny; ndst; 2,0).

The final grade is the sum of:

- 1) degree completed with a submission of a diploma thesis:
- a) 3/5 of the average of all grades:
- b) 1/5 of the diploma thesis grade;
- c) 1/5 of the diploma exam grade.
- 2) degree completed without a submission of a diploma thesis:
- a) 3/4 of the average of all grades;
- b) 1/4 of the diploma exam grade.
- 3) degree in arts completed with a submission of a diploma thesis:
- a) 3/6 of the average of all grades;
- b) 1/6 of the diploma thesis grade;
- c) 1/6 of the diploma exam grade (theoretical part);
- d) 1/6 of the diploma exam grade (artistic part).
- 4) degree in arts completed without a submission of a diploma thesis:
- a) 4/6 of the average of all grades;
- b) 1/6 of the diploma exam grade (theoretical part);
- c) 1/6 of the diploma exam grade (artistic part).



The final grade entered into the diploma is arrived at in accordance with the following principle:

- 1) up to 3,40 satisfactory (dostateczny);
- 2) more than 3,40 up to 3,80 satisfactory + (dostateczny plus);
- 3) more than 3,80 up to 4,20 good (dobry);
- 4) more than 4,20 up to 4,60 good + (dobry plus);
- 5) more than 4,60 very good (bardzo dobry).

Description of class type codes

cw classes lek course pra practical work sem seminar workshop war wyk lecture

Grades outside brackets are course grades, grades inside brackets are grades for the classes, vertical bar separates grades for various classes, semicolon separates grades on various exam reports, space separates grades on the same exam report, order of grades on a report follows order of

ZAL (zaliczenie) = non-graded pass, NZAL (niezaliczenie) = fail, — = no grade in the examination protocol.

² Another credit of the course which can be credited only once

