Data Science Institute

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Student Academic Record

Postgraduate Diploma in Data Science

Full name: **Tomáš Garrigue Masaryk**
Nationality: **Poland**
Student ID: **0000000000**
Degree name: **Postgraduate Diploma in Data Science**
Degree accreditation level: **ECTS Accredited (EQF7)**
Degree completion status: **Completed**
Date of award: **11 December 2024**
Official accreditation information: **Degree listing on MFHEA website in Europe**
Average (percent): **100%**
Cumulative GPA: **4**

Course title	Completed	Hours	ECTS credits	US percent	GPA
Tier 1 : Foundational					
Exploratory Data Analysis & Management	11/12/2024	9000	360	100%	4
Statistical Inference	11/12/2024	9000	360	100%	4
Fundamentals of Predictive Modelling	11/12/2024	9000	360	100%	4
Tier 2					
Business Intelligence	11/12/2024	9000	360	100%	4
Machine Learning I	11/12/2024	9000	360	100%	4
Machine Learning II	11/12/2024	9000	360	100%	4
Time Series Analysis	11/12/2024	9000	360	100%	4
Text Mining and Natural Language Processing	11/12/2024	9000	360	100%	4

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Course title	Completed	Hours	ECTS credits	US percent	GPA
Unsupervised Multivariate Methods	11/12/2024	9000	360	100%	4
Advanced Predictive Modelling	11/12/2024	9000	360	100%	4
Data Science In Practice	11/12/2024	9000	360	100%	4
		1500	60	100%	4

Transcript issued and signed on 11 December 2024 by:

Dr. Joshua Broggi
Head of Institution

IWOOLF/ Higher Education Institution License Number 2019-015

Grainne Barry
Dean of Data Science Institute

Student credentials

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europass

European Commission

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 (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, 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.

1. Information identifying the holder of the qualification

1.1. Full name: Tomáš Garrigue Masaryk

1.2. Date of birth (dd/mm/yyyy): 11/12/2024

1.3. Student identification number: 0000000000

2. Information identifying the qualification

2.1. Name of qualification and (if applicable) title conferred (in original language):
Postgraduate Diploma in Data Science

2.2. Main field(s) of study for the qualification: Computer & Mathematical Science

2.3. Name and status of awarding institution (in original language): Woolf

2.4. Name and status of institution (in different from 2.3) administering studies:
Woolf (established in 2018) is an accredited Higher Education Institution in Malta with license 2019-015 from the Malta Further and Higher Authority.

2.5. Language of instruction/examination: English

3. Information on the level and duration of the qualification

3.1. Level of qualification: ECTS Accredited (EQF7)

3.2. Standard Programme Length: 12 months

3.3. Standard Programme Delivery Length: 8 months

3.4. Access requirements: Undergraduate Degree or Equivalent

4. Information on the programme completed and the results obtained

4.1. Programme learning outcomes:

Knowledge

- Students will have a comprehensive knowledge and understanding of data science, mathematical and statistical modelling of data, machine learning, and working with structured and unstructured data.
- Students will gain specialised knowledge, including knowledge which is at the forefront of data science, analytics, and modelling, including such topics as computer vision, deep learning, big data, natural language processing, and industry-specific domains.
- Students will be able to analyse the societal, regulatory, and ethical contexts for data science and machine learning.
- Students will show evidence of a critical understanding of the techniques, methods, and core concepts of data science and analytics
- Students will be able to apply data science to solve real-world problems across a variety of use cases and situations.
- Students will display original thinking on the basis of the knowledge they gain in the course.

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Skills

- Students will develop advanced, innovative, and multi- disciplinary problem-solving skills,
- Students will communicate data science clearly and unambiguously to specialised and non-specialised audiences
- Students will develop advanced abilities related to data analytics operational procedures and the ability to implement them in response to changing environments.
- Students will critically evaluate alternative approaches to data science on the basis of academic scholarship and case studies, demonstrating reflection on social and ethical responsibilities.
- Students will formulate data-driven analytical judgments and plans despite incomplete information by integrating knowledge and approaches from diverse domains including statistical inference, machine learning, big data, computer vision, deep earning, and natural language processing.
- Students will produce work driven by research at the forefront of the domain of Data Science.
- Students will enquire critically into the theoretical strategies for applying data science and analytics within business and organizational contexts.
- Students will gain facility with modern tools for data analysis, from data visualisation tools such as Tableau through platforms for analysing massive amounts of unstructured data, such as Hadoop or MongoDB, and cloud architectures for data analysis.
- Students will develop new skills in response to emerging knowledge and techniques and demonstrate leadership skills and innovation in complex and unpredictable contexts.
- Students will gain experience in working collaboratively on data science teams, including such skills as peer review, understanding contributor roles, and team dynamics.

Competencies

- Students will formulate research-based solutions to practical problems in environments of incomplete information
- Students will manage decisions with autonomy in complex and unpredictable environments
- Students will organise projects and people in a way that is responsive to changes in the wider data analytics environment
- Students will demonstrate learning skills needed to maintain continued, self-directed study

4.2. Programme details, individual credits gained and grades/marks obtained: Refer to the first page of this transcript

4.3. Grading system and, if available, grade distribution table: Refer to the first page of this transcript.

5. Information on the function of the qualification

5.1. Access to further study: Degree Programmes may entitle access to EQF8 Level Study

5.2. Access to a regulated profession (if applicable): Not Applicable

6. Additional information

6.1. Further information sources: **https://legal.woolf.university/accreditation**

7. Certification of the supplement

7.1. Transcript issued and signed on 11 December 2024 by:

7.2.

Dr. Joshua Broggi
Head of Institution

7.3.

Grainne Barry
Dean of Data Science Institute

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7.4. Official stamp or seal:

GPA	US grade	US percent	UK mark	UK classification	Malta grade	Malta mark	Malta classification	Swiss grade
4	A+	97-100	70+	First class honours	A	80-100%	First class honours	6
3.9	A	94-96	67-69	Upper-second class honours	B	70–79%	Upper-second class honours	
3.7	A-	90–93	65–67	Upper-second class honours				5.5
3.3	B+	87–89	60–64	Lower-second class honours	C	55–69%	Lower-second class honours	
3	B	84–86						
2.7	B-	80–83	55–59	Lower-second class honours				5
2.3	C+	77–79	50–54	Third class honours	D	50–54%	Third class honours	
2	C	74–76						
1.7	C-	70–73	45–49	Third class honours				4.5
1.3	D+	67–69	40–44	Ordinary/unclassified				
1	D	64–66	35–39	Ordinary/unclassified				
0.7	D-	60–63						4
0	F	Below 60	Below 35		F	45–54%		1-3.5