



EXPONENTIAL CODING WITH AI AND DATA MANAGEMENT

Anno immatricolazione	2020/2021
Anno offerta	2020/2021
Normativa	DM270
SSD	SECS-S/01 (STATISTICA)
Dipartimento	DIPARTIMENTO DI SCIENZE ECONOMICHE E AZIENDALI
Corso di studio	INTERNATIONAL BUSINESS AND ENTREPRENEURSHIP - MANAGEMENT INTERNAZIONALE E IMPRENDITORIALITÀ
Curriculum	Digital Management
Anno di corso	1°
Periodo didattico	Primo Semestre (28/09/2020 - 22/12/2020)
Crediti	9
Ore	66 ore di attività frontale
Lingua insegnamento	English
Tipo esame	SCRITTO E ORALE CONGIUNTI
Docente	BARTOSIAK MARCIN LUKASZ (titolare) - 3 CFU LA VOLPE ALESSANDRO - 6 CFU
Prerequisiti	Basic computer skills.
Obiettivi formativi	<p>The course is designed to be practically theoretical. We will cover enough theory to develop a frame of reference on which to build practical skills. In parallel, through exercises and projects, we will internalize theoretical concepts and reinforce our theoretical understanding.</p> <p>Upon successful completion of this course, you will be able to:</p> <ul style="list-style-type: none">- understand the main concepts of AI- understand how AI can exponentially accelerate businesses- use IBM's Watson Assistant in real-life scenarios- code in Python and apply your knowledge to Data Science problems- understand the impact of Data Management on contemporary

	<p>businesses</p> <ul style="list-style-type: none"> - recognize various database models and write simple queries
Programma e contenuti	<p>The course will be split into three thematic sections:</p> <p>Artificial Intelligence and Watson Assistant</p> <ul style="list-style-type: none"> - Artificial Intelligence: from daily life through Enterprise vision (with Watson Assistant) - Knowledge Management (with Knowledge Studio) - Data Science - Machine Learning & Open Scale - Computer Vision - Visual Recognition - Design Thinking <p>Python Lab</p> <ul style="list-style-type: none"> - Introduction to Python - Conditional Statements & Functions - Iterations & Strings Operations - Collections - Library import & External data sources <p>Data Management</p> <ul style="list-style-type: none"> - Data Management & Business Strategy - Data Management Systems - Database Design - Querying databases
Metodi didattici	<p>Flipped class</p> <p>Lectures</p> <p>In-class practical exercises</p> <p>Case study discussion</p> <p>(Depending on the development of the COVID-19 epidemy and the sanitary norms, this can change. Part of the course or all the lessons may be delivered online.</p> <p>In any event, class materials and recordings will be delivered online, permitting students in remote locations to follow the course).</p>
Testi di riferimento	<ul style="list-style-type: none"> - T. Markiewicz & J. Zheng, 2018, Getting Started with Artificial Intelligence, O'Reilly. - Ch. Severance, 2016, Python for Everybody. <p>(Both e-books will be given to you at the beginning of the semester).</p>
Modalità verifica apprendimento	<ul style="list-style-type: none"> - Team project - Individual written test
Altre informazioni	
Obiettivi Agenda 2030 per lo sviluppo sostenibile	<p>\$lbl legenda sviluppo sostenibile</p>