tech global university

Mr. Altonjunior Siima, with identification document 9801065264089
has successfully passed and obtained the title of:

Professional Master's Degree in Digital Product Design (UX/UI)

This is a private qualification of 1800 hours of duration equivalent to 60 ECTS, with a start date of 23/9/2023
and an end date of 24/9/2024

TECH Global University is a university officially recognized by the Government of Andorra on the 31st
of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on Thursday, October 3, 2024

Dr. Pedro Navarro Illana
Chancellor
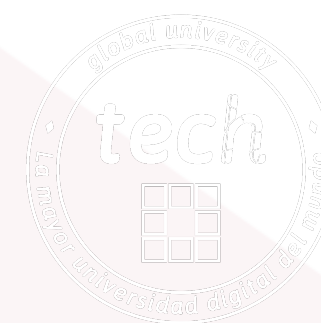
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Professional Master's Degree in Digital Product Design (UX/UI)

Altonjunior Siima, with identification document 9801065264089.

Grades

Subject type	ECTS Credits
Compulsory (CO)	60
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 60

Subject	Note
MODULE 1. HISTORY OF DESIGN	7,77
MODULE 2. FUNDAMENTALS OF CREATIVITY	7,77
MODULE 3. DIGITAL TECHNOLOGY	6,78
MODULE 4. INTERNET OF THINGS (IOT)	7,4
MODULE 5. USABILITY IN INFORMATION SYSTEMS AND INTERFACES	7,69
MODULE 6. PORTFOLIO CREATION	6,59
MODULE 7. AGILE METHODOLOGIES	8,2
MODULE 8. EMERGING TECHNOLOGIES	8,22
MODULE 9. WEB DESIGN	8,46
MODULE 10. USER-CENTERED DESIGN	8,27

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This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

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General Structure of the Syllabus

Subject type	ECTS Credits
Compulsory (CO)	60
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 60

Year	Subject	ECTS	Type
1º	**Module 1. History of Design** U1. Why Learn About the History of Design? U2. Considering the "History of Design" as a Discipline U3. Industrial Revolution and Other Channels U4. Historical Overview I U5. Bauhaus U6. Historical Overview II U7. Functional and Functionalist U8. Historical Overview III U9. Other Trends U10. The Digital Era	6	**CO**
1º	**Module 2. Fundamentals of Creativity** U1. To Create is to Think U2. Nature of the creative process U3. The Invention U4. Rhetoric and Persuasive Communication U5. Creative Behavior and Personality U6. Creative Skills and Abilities U7. The Phases of the Creative Process U8. Problem Solving U9. The Methods of Creative Thinking U10. Creativity and Advertising Communication	6	**CO**

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Year	Subject	ECTS	Type
1º	**Module 3. Digital Technology** U1. Introduction to Digital Image U2. Vectorial Image Working with Objects U3. Vectorial Image Color U4. Vectorial Image Advanced Editing U5. ImageBitmap The Layers U6. ImageBitmap Selections, Masks and Channels U7. Image Map of BITS. Selections, Masks and Channels U8. The Editorial Project Types and Forms U9. Compositional Elements of the Editorial Project U10. Layout, Export and Printing	6	CO
1º	**Module 4. Internet of Things (IoT)** U1. Cyber-Physical Systems (CPS) in the Industry 4.0 Vision U2. Internet of Things and Cyber-Physical Systems U3. Device Ecosystem U4. IoT Platforms and Their Architecture U5. Digital Twins U6. Indoor & outdoor Geolocation (Real Time Geospatial) U7. Security Intelligence Systems U8. IoT and IIoT Platform Security U9. Wearables at Work U10. Implementing an API to Interact with a Platform	6	CO

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Master's Degree Thesis (MDT)	0
	Total 60

Year	Subject	ECTS	Type
1º	**Module 5. Usability in Information Systems and Interfaces**	6	**CO**
	U1. Approach to Usability		
	U2. Objectives and Principles of Usability		
	U3. Perspectives and Usability Normal		
	U4. Analysis of the Most Common Usability Errors I		
	U5. Analysis of the Most Common Usability Errors II		
	U6. Usability Evaluation		
	U7. User-Centered Design		
	U8. Child-Oriented Interface Design		
	U9. Adolescent Oriented Interface Design		
	U10. Design of Interfaces Oriented to Senior Audience		
1º	**Module 6. Portfolio Creation**	6	**CO**
	U1. The Portfolio		
	U2. Characteristics and Elements		
	U3. Digital Platforms		
	U4. The Designer in the Labor Scheme		
	U5. How Do I Show Myself Professionally?		
	U6. The New Consumers		
	U7. My Personal Branding		
	U8. Visual Identity		
	U9. Ethics and Responsibility		
	U10. The Price of My Work		

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External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 60

Year	Subject	ECTS	Type
1º	**Module 7. Agile Methodologies** U1. Agile Management of Projects Base for the Development of Web Applications U2. Adopting an Agile Approach to Web Application Development U3. Agile Methodologies for Web Application Development U4. Agile Methodologies for Advanced Web Application Development U5. Web Development Project Planning Process U6. Stakeholders of Agile Projects for Web Application Development U7. Launching Plan and Creation of Estimates U8. Planning and Monitoring Iterations U9. Leading a Web Application Development Team U10. Managing and Delivering Value in Web Development Projects	6	CO
1º	**Module 8. Emerging Technologies** U1. Mobile Technology U2. Mobiles Services U3. Services Based on Localization U4. Design of User Experience (UX) U5. Extended Reality U6. Internet of Things (IoT) (I) U7. Internet of Things (IoT) (II) U8. Blockchain U9. Autonomous Driving U10. Innovative Technology and Research	6	CO

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External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 60

Year	Subject	ECTS	Type
1°	**Module 9. Web Design** U1. Introduction to the Digital Environment U2. Intranet U3. Web Pages U4. Other Types Websites U5. Other Digital Products U6. User-Centered Design and User Experience U7. E-Commerce U8. Responsive and Adaptive Design U9. Experience Design U10. Web Design Project	6	**CO**
1°	**Module 10. User-Centered Design** U1. Towards a User-Based Model U2. Human Behavior U3. User Experience U4. User-Centered Design U5. Analysing Users U6. Complex Systems U7. Conclusions and Insights U8. Design for Users	6	**CO**

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Chancellor