UDEM COIL Courses (Collaborative Online International Learning)
Please contact our Internationalization Projects Advisors for further information.
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ARCHITECT	URE	
Elements of Architecture Elementos de la Arquitectura	Brelf Description of the course: Biomimetic Design Methodologies, Computational Design, Digital Manufacturing Preferred language for collaboration: Spanish Professor: Andrés Obregón López	Jan - May 2021
Urban landscaping Paisajismo Urbano	Brief description of the course: Landscape and urban design for the city, sustainability components, streets, squares, parks.  Activity idea: Collaboration in the design of public spaces, can include social studies, city, environmental, squares, urban situations, etc.  Preferred language for collaboration: Spanish / English  Professor: Jorge Galván Salinas	Jan - May 2021
Elements of Architecture Elementos de la Arquitectura	Brief description of the course: It is a course where ephemeral pavilions are designed, modeled and designed using the analysis of some living being as a basis, later these pavilions are built on a 1: 1 scale.  Topic of Interest for collaboration: 3D modeling, digital fabrication, parametric design.  Preferred language for collaboration: Spanish  Professor: Salvador Amaro Rosas	Jan - May 2021
Composición y diseño	Basic Design Studio for Architects Preferred language for collaboration: Spanish, English, Italian Professor: Sindy Melissa Godínez de León	Jan - May 2021
Elements of Architecture Elementos de la Arquitectura	Tridimensional Design for Architects Preferred language for collaboration: Spanish, English, Italian Professor: Sindy Melissa Godínez de León	Jan - May 2021
DESIGN		
Digital tools for design Herramientas digitales para diseño	Brief description of the course: The course is completely practical, the tools of Adobe Illustrator, Photoshop and InDesign are taught. It is open for multiple careers, not only graphic design, but all design majors, as well as communications.  Preferred language for collaboration: English Professor: Benigno Peña Ramos	Jan - May 2021
Industrial design studio for 6th and 7th semester Estudio de diseño industrial	Brief description of the course: The Industrial Design Studies from the 5th semester onwards are courses of 3 weekly frequencies where the student applies what they have learned in all previous subjects, in designing solutions to different needs and objectives. The result can be manufacturable, conceptual products and also service design. Topic of Interest for collaboration: Product design. Speculative design. Service Design. Activity Idea: Product design applied to new domestic scenarios. Preferred language for collaboration: English or Spanish Professor: Patricio Ortiz Silva	Jan - May 2021
Materials and forms Materiales y formas	Brief description of the course: A course of innovation in packaging materials. Creation of packaging for products, we also see inclusion in packaging, seniors, ecological, etc.  Preferred language for collaboration: Spanish  Professor: Ma. Elena Franco Caballero	Jan - May 2021
ENGINEERI	NG	
Lean Manufacturing Manufactura Esbelta	Brief description of the course: Practical-theoretical course where students learn the management principles of Lean Manufacturing and its tools; students have to apply all this in a real project in a company (without restriction of size or segment) that they develop as a team during the semester.  Proyect idea: The course project would be carried out in plants in different locations, with mixed teams. We would take advantage of digital resources (videos, 360° photos, AR, videoconferences) to be able to collaborate remotely in solving real problems in both countries, using lean manufacturing principles and tools.  Preferred language for collaboration: Spanish or English  Professor: Francisco Alberto Tamayo Enriquez	Jan - May 2021
Tribology Tribología	Brief description of the course: To know the lubrication, friction and wear phenomena. To know how to investigate the tribological properties of diverse materials and how to select materials for certain operative conditions.  Preferred language for collaboration: English Professor: Demófilo Maldonado Cortés	Jan - May 2021

BUSINESS		
Microeconomy Microeconomía	Brief description of the course: It is a a consumer theory course taught in the Economics degree. The course provides a theoretical and analytical tool (comparative statics) to analyze how consumer decisions change when there are variations in certain factors, as well as in different contexts of risk or uncertainty.  Preferred language for collaboration: Spanish or English  Professor: Rosa María Morales Valera	Jan - May 2021
Financial Marketing Mercadotecnia Financiera	Brief description of the course: We use different tools offered by finance and management accounting to strategically manage marketing activities Topic of interesr for collaboration: Decision-making to choose sales and marketing strategies  Preferred language for collaboration: Spanish  Professor: Virginia Saldívar Rendón	Aug - Nov 2021
Administrative fundamentals Fundamentos administrativos	The basic aspects of the administrative process.  Topic of Interest for collaboration: Human Capital Process and Motivation Theories  Preferred language for collaboration: Spanish  Professor: Alejandro Rios Hernández	Aug - Nov 2021
SUSTAINAE	BILITY	
Environmental impact and solutions Impacto ambiental y soluciones	Know the impact of our actions on sustainability and possible solutions  Preferred language for collaboration: Spanish  Professor: Carlos López	Jan - May 2021
INFORMAT	ON SCIENCES	
Visual Culture Cultura visual	We review the way in which culture has historically affected the way of encoding and decoding visual language.  Preferred language for collaboration: Spanish or English  Professor: José Alfonso Guevara	Jan - May 2021
Creativity Creatividad	In this class we review the theoretical positions on creativity, as well as strategies and exercises to promote creativity.  Preferred language for collaboration: Spanish or English  Professor: José Alfonso Guevara	Jan - May 2021
SOCIAL SO	CIENCES	
Introduction to International Relationships Introducción a las Relaciones Internacionales	Know the basic concepts of the discipline of international relations and the international system.  Preferred language for collaboration: Spanish or English  Professor: Victor Edgar Sánches Gallegos	Jan - May 2021
Asian Society and Culture Sociedad y Cultura de Asia	Introduce the student to the study of the people and cultures of South, Southeast and East Asia.  Preferred language for collaboration: Spanish or English  Professor: Victor Edgar Sánchez Gallegos	Jan - May 2021
INTERCULT	URAL EDUCATION	
Intercultural Competences	Brief description of the course: Understand the world's diversity in terms of values, beliefs, ideas and points of view. Understand the non-universality of culture, religion and values. Identify the skills and limits to manage adequately intercultural encounters.  Preferred language for collaboration: English or Spanish Professor: Berenice Herrera	Jan - May 2021
EDUCATION	V	
Design and Development of Teaching Materials Diseño y Elaboración de Materiales Didácticos	Brief description of the course: Design, elaborate and implement didactic material in educational programs of formal, non-formal, special education and with adults.  Preferred language for collaboration: Spanish or English  Professor: Daniela Alejandra Sedas Ruiz	Jan - May 2021
NUTRITION		
Diet Therapy IV <i>Dietoterapia IV</i>	Brief description of the course: Clinical nutrition focused on diseases of the immune system, respiratory and sepsis. Topic of interest for collaboration: Clinical cases and nutritional diagnosis Preferred language for collaboration: Spanish or English Professor: Nancy Andriana Celestino Buentello	Jan - May 2021

MEDICINE					
Embrioloy Embriología	Brief description of the course: The embryology course aims to describe the development of the different body systems, it is anatomy of human development in utero.  Topic of Interest for collaboration: Development of the nervous system, anencephaly Preferred language for collaboration: Spanish Professor: Maria GUadalupe Trevino Alanis	Jan - May 2021			
PSYCHOLOGY					
Evaluación y Tratamiento de los	Brief description of the course: Know and study the personality disorders, their evaluation and treatment.  Preferred language for collaboration: Spanish  Professor: Hermelinda Leal Treviño	Jan - May 2021			