

**International Affairs and Academic Cooperation Office**

List of Courses Taught in English and French 2025

* **100 courses taught in English in 10 Educational Programs:**

• BA in Finance (4) • BA in Public Relations and Advertising (6)

• BA in Marketing (8) •BSc in Software Engineering (2)

• BSc in Physics (12) • BSc in Mathematics (17)

• BA in Tourism Management (9) • BSc in Mechanical and Electrical Engineering (4)

• BSc in Intelligent Computation Engineering (1) • BA in Language Teaching (37)

* **19 courses taught in French in one Educational Program:**

• BA in Language Teaching

* **Total of Educational Programs (English-based only):**

• BSc in International Business

* **Total of Undergraduate Bilingual Programs (14 courses):**

• Bachillerato Técnico #33

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| **Faculty of Marketing** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BA in Public Relations and Advertising** | **Spring Semester** | | | |
| (2nd) | Image Workshop | Martha Godínez | None |
| (4th) | Construction of the Advertising Message | José Ángel Becerra | None |
| (4th) | Media Production I | Miguel Macías Amador | None |
| **Fall Semester** | | | |
| (3rd) | Personal Branding | Claudia Velázquez | None |
| (3rd) | Visual Communication | Miguel Macías Amador | None |
| (7th) | Image Studies | Martha Godinez | None |

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| **Faculty of Marketing** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BA in Marketing** | **Spring Semester** | | | |
| (2nd) | Market Segmentation | María Santarriaga Pineda | None |
| (4th) | Advertising and Merchandising | Joaquín Carrillo Hidalgo | None |
| (4th) | E-Commerce | Claudia Velázquez | None |
| (4th) | Service Marketing | Miguel de la Vega | None |
| (6th) | **Elective V**: Marketing and Digital Business | Susana Vidrio | None |
| **Fall Semester** | | | |
| (3rd) | Sales Administration | Claudia Velázquez | None |
| (5th) | International Commerce | Hugo Torres Moreno | None |
| (5th) | Promotion and Marketing Communication | Joaquín Carrillo Hidalgo | None |

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| **Faculty of Telematics** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BSc in Software Engineering** | **Spring Semester** | | | |
| (6th) | Design and Evaluation of User Interfaces | Silvia Berenice Fajardo Flores | None |
| (6th) | **Elective**: Big Data and Data Mining | Arturo García Nevares | None |

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| **Faculty of Sciences** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BSc in Physics** | **Spring Semester** | | | |
| (6th) | Quantum Mechanics II | Dr. Christoph Hofmann | Quantum Mechanics I |
| (6th) | Solid State Physics | Dr. Christoph Hofmann | Modern Physics |
| (6th) | Statistical Mechanics | Dr. Alexander Stuart | Modern Physics |
| (8th) | Thesis Seminar II | Dr. Alfredo Aranda | Thesis Seminar I |
| (8th) | **Elective IV**: Quantum Media Mechanics | Dra. María Elena Tejeda Yeomans | Quantum Mechanics I |
| (8th) | **Elective V**: General Relativity | Dr. César Terrero Escalante | Quantum Mechanics II |
| **Fall Semester** | | | |
| (5th) | Mathematics methods for Physics | Dr. Christoph Hofmann | Calculus IV |
| (5th) | Computational Physics | Dr. Paolo Amore | Differential Equations |
| (5th) | Quantum Mechanics I | Dr. Christoph Hofmann | Analytical Mechanics |
| (7th) | Thesis Seminar I | Dr. Alfredo Aranda | Thesis Seminar I |
| (7th) | **Elective II:** No lineal Physics | Dr. César A. Terrero Escalante | Analytical Mechanics |
| (7th) | **Elective III:** General Relativity | Dr. Alexander Stuart | Quantum Mechanics I |

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| **Faculty of Sciences** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BSc in Mathematics** | **Spring Semester** | | | |
| (4th) | Noncommutative Algebra | Carlos Castaño Bernard | First Steps in Abstract Algebra |
| (4th) | Analysis of Several Variables | Dr. Yakov Savelyev | Analysis Introduction |
| (6th) | Complex Analysis | Dr. Ricardo Sáenz Casas | Real Analysis |
| (6th / 8th) | Simplex Geometry | Dr. Andrés Pedroza | Analysis of Several Variables |
| (8th) | Thesis Seminar I | Dr. Yakov Savelyev | Thesis Seminar I |
| (8th) | Thesis Seminar II | Dr. Dr. Andrés Pedroza | Thesis Seminar I |
| **Fall Semester** | | | |
| (5th / 7th) | Noncommutative Algebra | Carlos Castaño Bernard | First Steps in Abstract Algebra |
| (5th / 7th) | Computational Methods and Programming | Dr. Paolo Amore | Discrete Mathematics |
| (5th / 7th) | Selected Topics in Algebra | Carlos Castaño Bernard | Commutative Algebra and Algebraics Curves |
| (7th) | Algebraic Topology | Dr. Yakov Savelyev | Geometry and Topology |
| (7th) | Mathematics Models | Dr. Roberto Sáenz Casas | Differential Equations |
| (7th) | Thesis Seminar I | Dr. Yakov Savelyev | None |
| (7th) | Stochastic Processes | Dr. Ricardo Sáenz Casas | Computation Methods and Programming |
| (7th) | Real Analysis | Dr. Luis Enrique Garza Gaono | Multivariate Analysis |
| (9th) | Selected Topics in Applied Mathematics | Dr. Roberto Sáenz Casas | Mathematics Models |
| (9th) | Thesis Seminar II | Dr. Ricardo Sáenz Casas | Thesis Seminar I |
| (9th) | Geometry and Topology | Dr. Yakov Savelyev | Multivariate Analysis |

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| **Faculty of Economics** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BA in Finance** | **Spring Semester** | | | |
| (6th) | **Elective:** Technical and Specialized English II | Miguel Ángel Tinoco Zermeño | Technical and Specialized English I |
| (8th) | **Elective:** Writing Reports and Scientific Articles in English | Miguel Ángel Tinoco Zermeño | None |
| **Fall Semester** | | | |
| (5th) | **Elective:** Technical and Specialized English I | Miguel Ángel Tinoco Zermeño | None |
| (7th) | **Elective:** Analysis and Interpretation of Financial Statements in English | Miguel Ángel Tinoco Zermeño | None |

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| **Faculty of Tourism** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BA in Tourism Management** | **Spring Semester** | | | |
| (4th) | Lodging (Accommodation) Firms Management | Mara Ballesteros Vega | Lodging |
| (4th) | Human Capital Management | Sergio A. Aguirre Velázquez | None |
| (6th) | Gastronomy I | José de Jesús Solís Marín | None |
| (8th) | Tourist Destinations Management | Rafael Covarrubias Ramirez | None |
| **Fall Semester** | | | |
| (1st) | Introduction to the Study of Tourism | Ruth Jael Sugías Elizalde | None |
| (3rd) | Lodging | Mara Ballesteros Vega | None |
| (3rd) | Travel Services | Elisa Gutiérrez Guerra | None |
| (5th) | Tourism Marketing | Sergio Armando Aguirre Velázquez | None |
| (7th) | Gastronomy II | José de Jesús Solís Marín | Gastronomy I |

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| **Faculty of Mechanical and Electrical Engineering** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BSc in Mechanical and Electrical Engineering** | **Spring Semester** | | | |
| (4th) | Mechanics of Fluids | Carlos Escobar del Pozo | Differential Equations |
| (6th) | Power Systems | Tiberio Venegas Trujillo | Electric Circuits  Electric Machines |
| **Fall Semester** | | | |
| (5th) | Heat Transfer | Carlos Escobar del Pozo | Thermodynamics  Fluid Mechanics |
| (7th) | Photovoltaic Systems | Tiberio Venegas Trujillo | Alternative Energies |

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| **Faculty of Mechanical and Electrical Engineering** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BSc in Intelligent Computation Engineering** | **Fall Semester** | | | |
| (5th) | Machine Learning | Víctor Castillo | Theory of Probability  Statistics |

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| **Faculty of Foreign Languages** | | | | |
| **Bachelor** | **Semester Information** | **Course Name** | **Professor** | **Prerequisite** |
| **BA in Language Teaching** | **Spring Semester** | | | |
| (2nd) | Learning Theories |  |  |
| (2nd) | English II |  |  |
| (2nd) | Français II |  |  |
| (2nd) | Production orale en Français |  |  |
| (4th) | Teaching Pronunciation L2 II |  |  |
| (4th) | Classroom Management in L2 |  |  |
| (4th) | Language Awareness II |  |  |
| (4th) | English IV |  |  |
| (4th) | Français IV |  |  |
| (4th) | Integrative Practice II |  |  |
| (4th) | Instructional Design II |  |  |
| (6th) | Teaching Practice II |  |  |
| (6th) | English VI |  |  |
| (6th) | Français VI |  |  |
| (6th) | Research Seminar I |  |  |
| (8th) | Teaching Practice IV |  |  |
| (8th) | English Literature |  |  |
| (8th) | Advanced English |  |  |
| (8th) | Research Seminar III |  |  |
| **Fall Semester** | | | |
| (1st) | English I |  |  |
| (1st) | Français I |  |  |
| (1st) | Compréhension du Français |  |  |
| (1st) | Learning to Learn |  |  |
| (3rd) | English III |  |  |
| (3rd) | Français III |  |  |
| (3rd) | Language Awareness |  |  |
| (3rd) | Teaching Pronunciation in L2 |  |  |
| (3rd) | Materials Design |  |  |
| (3rd) | Integrative Practice I |  |  |
| (3rd) | Teaching Methods |  |  |
| (5th) | English V |  |  |
| (5th) | Français V |  |  |
| (5th) | Teaching Practice I |  |  |
| (5th) | Instructional Design II |  |  |
| (5th) | Qualitative Research in Education |  |  |
| (5th) | Online Resources for English Teaching |  |  |
| (7th) | Teaching Practice III |  |  |
| (7th) | English VII |  |  |
| (7th) | Literature in Français |  |  |
| (7th) | Research Seminar III |  |  |
| **Optional Subjects** | | | |
| Elective | English Grammar I |  |  |
| Elective | English Grammar II |  |  |
| Elective | Productive English Skills |  |  |
| Elective | Writing and Composition of Academic Texts in English |  |  |
| Elective | Oral and Written Comprehension in English |  |  |
| Elective | Writing Academic Texts in English |  |  |
| Elective | L’oralité en Français avancé |  |  |
| Elective | Préparation DELF B1 |  |  |
| Elective | Préparation DELF B2 |  |  |
| Elective | Préparation DELF C1 |  |  |
| Elective | Grammaire Française Intermédiaire |  |  |
| Elective | Grammaire Française Avancée |  |  |
| Elective | Prononciation du Français |  |  |
| Elective | Français proactif: Renforcement des Compétences de Production |  |  |
| Elective | Production Orale en Français Avancé |  |  |
| Elective | Écriture et Composition en Français |  |  |