

LCO103 ADVANCED ACCOUNTING I

Prerequisite: LCO102 INTERMEDIATE ACCOUNTING

Description: This course allows the student to recognize the differences found in societal structure and to develop the accounting settlement of the capital accounts. Studies accounting techniques used in the consolidation of financial statements, corporation merging and settlement.

CREDITS: 4

LCO104 ACCOUNTING SYSTEMS INSTALLATION

Prerequisite: NONE

Description: This course is an overview of the general concepts of an accounting system. Accounting system, Fundamentals of the system, documentary sources, previous problems of the installation System, design procedures, Accounting informs and procedures.

CREDITS: 4

LCO107 BANKING ACCOUNTING PRINCIPLES

Prerequisite: MC134 FINANCIAL ACCOUNTING II

Description: The student will know the basic elements of banking accounting.

CREDITS: 4

LCO111 MECHANIZED ACCOUNTING & ELECTRONIC DATA SYSTEMS

Prerequisite: NONE

Description: The student will understand the necessity of incorporating accounting and computer systems. Mechanized accounting and electronic data, Information system implementation. Electronic data processing systems, Systems development, basic application in accounting computer systems CREDITS: 4

LCO110 AUDIT I

Prerequisite: LCO108 ADVANCED ACCOUNTING II

Description: Different types of auditing. Analyzing the concepts, methods, techniques and procedures used in an auditing by operational cycles.

CREDITS: 4

LCO108 ADVANCED ACCOUNTING II

Prerequisite: LCO103 ADVANCED ACCOUNTING I

Description: This course develops the investment in value and bonds from the point of view of the investor. Investment profits and losses, Presentation of accounting valuation in financial statements.

CREDITS: 4

LCO113 AUDIT II

Prerequisite: LCO110 AUDIT I

Description: Analysis of concepts, methodology, techniques and procedures used in auditing by operational cycles, from the standpoints of both financial and operational auditing. Completion of auditing process. Studying different types of



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reports: financial statement expertises, fiscal expertise, and operational auditing report

CREDITS :4

LCO114 BUDGETING & ACCOUNTING GOVERNMENT

Prerequisite: LCO105 COST ACCOUNTING II, LCO108 ADVANCED ACCOUNTING II

Description: This section presents an in-depth review of the budget process, including budget formulation and execution, budget strategies and tactics, budget evaluation and its application within the government and its organisms. Government accounting Systems, government Accounting Plan and Consolidation of accounting information.

CREDITS: 4

LCO112 FINANCIAL STATEMENT ANALYSIS

Prerequisite: FINANCIAL ACCOUNTING & MANAGEMENT LCO108 ADVANCED ACCOUNTING II

Description: In actuality investments precede financial projections. This course provides the student with the skills to evaluate financial information: Financial Information, General issues, Targets, Importance. Basic Financial Statements, Complementary, Notes, Explanations. Financial Operation.

CREDITS :4

ADVERTISING AND MARKETING: EMPHASIS IN CORPORATE IMAGE

LEP409 ADVERTISING PRINCIPLES

Prerequisites: NONE

Description: The student will analyze the historical bases of advertising

CREDITS: 3

LEP421 DESIGN TECHNICS

Prerequisites: LEP418.LEP423

Description: This course will provide the student with the necessary design techniques to increase his development as a professional of this area.

CREDITS: 3

LEP426 ADVERTISING PRODUCTION I

Prerequisites: LEP419

Description: Understanding the function of advertising activities in the communication field; the student will create advertising products with professional and innovating creativity.

CREDITS: 3

LPM105 CORPORATIVE & PROFESSIONAL IMAGE

Prerequisites: LEP 417

Description: The student will know the job opportunities in the advertising field and he will increase his entrepreneurial attitude.



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LBF116 FINANCIAL INSTITUTIONS ACCOUNTING

Prerequisite: AMC112 ACCOUNTING II

Description: Accounting is the basic information system in a corporation. This course surveys the accounting cycle, from operation records, including entries, journals, ledgers, settlements and closings, to the preparation and presentation of financial statements that support the decision-making process..

CREDITS: 4

LBF115 INVESTMENT

Prerequisite: AMC134 FINANCIAL MANAGEMENT II

Description: The first aspect of using futures is to understand how contracts are quoted and how contract characteristics affect trading. This and the following three topics cover various futures contracts. Here we examine all one needs to know about stock index futures contracts - how they trade, quotations, and their contract characteristics. We start with what a stock index is and how it is calculated. Futures characteristics and quotations include how to read and understand quotes, including the intraday and closing prices, expiration months, expiration dates, open interest, price changes, volume, financial cycle and "ticks." Major international stock index futures are noted.

CREDITS: 4

LBF102 BASIC FINANCE I

Prerequisite: AMC129 FINANCIAL MANAGEMENT I

Description: Introduction to financial planning. Fundamentals of working capital management. Short term assets and liabilities optimization. Sources of short term financing. Cash Flow Estimation. Financial Planning. Tools and actions of financial analysis. Income-yield capacity. Circulating capital. Leverage. Actions. Re-expressed financial statements.

CREDITS: 4

LBF 103 PUBLIC FINANCIAL & FISCAL POLITICS

Prerequisite: NONE

Description: This course focuses on analyzing fiscal policy and the methodological basis of public policy as well as the analytical tools used for its professional analysis. The student will be introduced to all the concepts needed to understand the intervention of the public sector on private issues, knowing its implications over and interaction between the policies and the public institutions.

CREDITS: 4

LBF 114 SERVICES BANKING MARKETING

Prerequisite: AMC123 MARKETING II



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Description: Background of banking management Outlining and implementation. Banking operations and services. Study and development of marketing research methodology through the management of attitude measurement scales CREDITS: 4

LBF 101 MONETARY THEORY AND POLICY

Prerequisite: AMC120 MACROECONOMY

Description: The student will be introduced to monetary political theory and its role in economics in general. Analysis of institutions and instruments through which monetary policies are formulated as well as the mechanism through which essential economic variables are affected. This course analyzes the different monetary theories of money supply and demand. Empirical evaluation of its characteristics in applied political economics.

CREDITS: 4

LBF 107 OPERATION & MANAGEMENT BANKING

Prerequisite: LBF105 BANKING INTRODUCTION

Description: This course focuses on Panama financial institutions and banking activities. We will examine how current and historical events are reshaping the industry. We will focus on the basic analytics of managing a bank's exposure to liquidity, credit, market and country risk. In addition, we will consider how to evaluate and compare the risk exposures and performance of individual banks.

CREDITS: 4

LBF 106 BANKING CREDIT I

Prerequisite: LBF102 BASIC FINANCE

Description: Knowledge and practice of economic and social effects regarding credit. Credit classification. Outlining and implementation. Credit information. Accounting information and other documents. Process for credit approval. Understanding corporate financial statements for decision-making. Basic financial statement analysis. Tools and actions of financial analysis. Income-yield capacity. Circulating capital. Leverage. Actions. Re-expressed financial statements.

CREDITS: 4

LBF104 BASIC FINANCES II

Prerequisite: LBF 102 BASIC FINANCES I

Description: The main thrust of this course is that the students become familiar with the most up-to-date methods and techniques of financial investments. Inventories, Short term financial sources, temporal value of the money. Risk, and valuation, Capital Costs.

CREDITS: 4

LBF109 BANKING LEGISLATION



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Prerequisite: AMC 135 LABOR AND COMMEERCE LEGISLAATION Description: The Beginnings of the Banking Activity, The National Banking Commission had the duty to establish a framework of policies favoring the development of the banking activities. Additionally the student will know Development of the 27th, law, and Development of the 5th law.

CREDITS: 4

LBF111 MORTGAGE BANKING

Prerequisites LBF104 Basic Finances II

Description: This course helps students develop the skills to analyze the feasibility of investment projects, thus enabling them to make strategic decisions as administrators. It fosters a broad vision of the General Policies of Mortgage Credit.

CREDITS : 4

LBF112 INTERNATIONAL BANKING

Prerequisite: LBF104 Basic Finances II

Description: The cornerstones of the International Banking Center, New Banking Law and Creation of the superintendent oversight of Banks, it could fix banking interests for certain types of deposits, as well as the liquidity levels, the legal bank reserves over local deposits and the capital reserves for local operations. Practical theory course focusing on the study of international financial institutions settled in Panama and instruments in investment and financing, and on the application of risk covering instruments in international negotiations.

CREDITS: 4

LBF108 BANKING CREDIT II

Prerequisite: LBF 106 BANKING CREDIT I

Description: Knowledge and practice of economic and social effects regarding credit. Credit classification. Outlining and implementation. Credit information. Accounting information and other documents. Process for credit approval. Credit conditions of financial system

CREDITS: 4

LBF110 INTERNATIONAL FINANCES

Prerequisite: LBF 102 LBF 104 BASIC FINANCES I, BASIC FINANCES II

Description: This course incorporates the added complexity of dealing with several currencies, legislation systems and national economic conditions. Will allow students to understand and objectively asses the risk elements of international operations in the administration of working capital, as well as those of investment and financing decisions. Students will identify and evaluate problems stemming from exchange rate instability, differing environments, economic conditions and will learn how to apply different hedging strategies CREDITS: 4



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preparing cost production statements, taking into account their relationship with income statements and financial position. CREDITS: 4

AMC120 MACROECONOMICS

Prerequisite: GENERAL ECONOMICS

Description: Practical theory course focusing on the study of economic variables in order to analyze the economic policies applied in Mexico, as well as the relationship between micro and macroeconomics.

CREDITS: 4

AMC129 FINANCIAL MANAGEMENT I

Prerequisite: AMC102 ACCOUNTING I

Description: Practical theory course in which students apply the concepts, principles and methods of financial analysis, as part of the decision making process, to evaluate the financial position of companies.

CREDITS: 4

AMC130 ADMINISTRATIVE ANALYSIS I

Prerequisite: GENERAL ADMINISTRATION

Description: fundamental aspects and background of strategic planning, as well as its importance in business activities, as a basis for the design of strategic plans.

CREDITS: 4

AMC135 COMMERCE AND LABOR LEGISLATION

Prerequisite: None

Description: Theory course in which students apply the main precepts of commercial law as they examine different types of mercantile societies and documents of credit payment, based on the established corresponding legislation. Principles of labor law in authentic cases, as well as the analysis of their implications and consequences within organizations.

CREDITS: 4

AMC134 FINANCIAL ADMINISTRATION II

Prerequisite: AMC129 FINANCIAL ADMINISTRATION I

Description: Practical theory course focusing on the study of the principles, basic techniques and instruments of financial management, and their implementation for the efficient long and medium term management of organizations. CREDITS: 4

AMC139 ENTREPRENEURIAL II Prerequisite:

AME138 ENTREPRENEURIAL I



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Description: At the end of the course, the student will be able to understand and use the major techniques and tools for entrepreneurial project management. Also, the student will develop the ability to plan, organize and control projects with specific completion times and deadlines, through the efficient use of resources, at a minimum cost and specified quality requirements.

CREDITS: 4

LAN106 PUBLIC RELATIONS AND THE COMPANY

Prerequisite: None

Description: This course is an introduction to public relations, covering strategies and tactics used by public relations professionals. The course emphasizes theory and skills needed to perform in the professional arena

CREDITS: 4

LAN109 BUDGET ADMINISTRATION

Prerequisite: LAN107 PLANNING AND OPERATION CONTROL

Description: This course provides an in-depth focus and analysis of the four phases of the budget cycle -- formulation, review, execution and audit. It also explores the purposes of budget, including line-item budgeting, performance budgeting, zero-based budgeting and capital budgeting. Finally, one sees the problems and issues surrounding controlling deficits, taxes, and future budget alternatives are examined.

CREDITS: 4

LAN110 ADMINISTRATIVE ANALYSIS II

Prerequisite: AMC130

ADMINISTRATIVE ANALYSIS I

Description: The study of the relationship between the behavioral and administrative sciences, in order to analyze the individual, group and contextual factors that influence organizational behavior.

CREDITS: 4

LAN108 ORGANIZATIONAL

Prerequisite: None

Description: Practical theory course dealing with the study of organizational development and the application of intervention strategies to generate planned changes in organizations, based on the diagnosis of their conditions and needs.

CREDITS: 4

LAN114 ADMINISTRATIVE SEMINAR

Prerequisite: None

Description: development of thinking skills favoring the use and creation of strategies to solve problems through logical reasoning, as well as their



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application to different tasks and situations, especially those related to academics.

CREDITS: 4

LAN112 ADMINISTRATIVE MANAGEMENT SEMINAR

Prerequisite: None

Description: The study of management strategies, focusing on the attainment of competitive global advantages in organizations within a framework of ethical principles and the search for quality control.

CREDITS: 4

COMPUTER SYSTEMS ENGINEERING

SSD1 SYSTEMS ENGINEERING INTRODUCTION

Prerequisite: None

Description: The most important characteristics of today's computing systems.

CREDITS: 5

SSD2 INFORMATION SYSTEMS INTRODUCTION

Prerequisite: None

Description: The student will be able to create WEB pages in HTML and applets in JAVA language building the logic behind the typical uses of the web, such as games, music on line and simulation environments.

CREDITS: 5

SSD3 OBJECT-ORIENTED DESIGN AND PROGRAMMING

Prerequisite: IBI102SSD2

Description: Java object-oriented programming, characteristics of programming including heritage, polymorphism, abstract classes and interfaces. CREDITS: 5

SSD4 DESIGN AND TASTE OF USER'S INTERFACE

Prerequisite: None

Description: The student will learn how to develop a prototype that becomes the base for application designs.

CREDITS: 5

SSD5 DATA STRUCTURE AND ALGORITHMS

Prerequisite: SSD3 OBJECT-ORIENTED DESIGN AND PROGRAMMING

Description: The student will learn how to program in C++, and the use of the Standard Template Library

CREDITS: 5

SSD6 SYSTEMS PROGRAMMING



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Prerequisite: SSD2 SYSTEMS ENGINEERING INTRODUCTION

Description: Fundamentals of the function of virtual memory, through the Bit low level operations, the modern processing Arithmetic and programming common errors related to the memory.

CREDITS: 5

SSD7 DATA BASE

Prerequisite: None

Description: Data base designs, data models using E_R diagrams, data base SQL JSP/applets based on the Web

CREDITS: 5

SSD8 NETWORK AND DISTRIBUTED SYSTEMS

Prerequisite: SSD6 SYSTEMS PROGRAMMING

Description: The student will learn how to evaluate, select and how to use the library using algorithms and data structures

CREDITS: 5

SSD9 SPECIFICATION, TEST AND MAINTENANCE

Prerequisite: SSD4 DESIGN AND TASTE OF USER INTERFACE

Description: Techniques to improve the quality of systems and for every stage of the software development.

CREDITS: 5

SSD10 PROJECTS MANAGEMENT SOFTWARE

Prerequisite: None

Description: This course will provide the student with the tools to understand a project and its context in a decision-making level.

CREDITS: 5

HOTEL BUSINESS ADMINISTRATION DEGREE

LHT117 HOTEL MANAGEMENT

Prerequisite: AMC133

Description: The aim of this course is to give the future hotel business administrator specific instruction according to the currently best accepted practice and what is demanded for the modern hotel business. CREDITS:

4

LAH137 SERVICE WORKSHOP

Prerequisite: LHT118

Description: The student will learn the basic service rules in order to improve his development in this field

CREDITS: 4



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LAH135 COSTUMER SERVICE

Prerequisite: LAH124

Description: A wide view of the procedures and techniques required for the drink and foods service, as well as the protocol to properly attend the client CREDITS:

4

LAH128 ROOMS WORKSHOP

Prerequisite: LHT102

Description: The student will have a wide vision of the rooms' area as well as the related departments. The student will practice to increase the well development of these areas

CREDITS: 4

LAH130 BAR&COCKTAIL WORKSHOP

Prerequisite: LAH140

Description: The aim of this course is to train the student to accomplish with the different activities in these areas

CREDITS: 4

LAH134 CATERING SERVICES PLANNING AND ORGANIZATION

Prerequisite: LAH140

Description: Technical and administrative knowledge about the efficient organization of catering and special events, according to world wide standards.

CREDITS: 4

LAH131 BAR & RESTAURANTS MANAGEMENT I

Prerequisite: None

Description: The student will understand the basic technical and administrative procedures to manage a restaurant and hotels operation.

CREDITS: 4

LHT130 HOTEL DECORATION AND DESIGN

Prerequisite: LAH125 RECEPTION AND RESERVATION OPERATION

Description: A wide view of the design and decoration field provides the student with the knowledge to manage a restoration.

CREDITS: 4

LAH125 RECEPTION AND RESERVATION OPERATION

Prerequisite: None

Description: The aim of this course is to increase awareness of all those people who continue with the study of hotel management, especially in organization and administration

CREDITS: 4



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LAH136 HOTEL MARKETING AND SALES

Prerequisite: LAH134 CATERING SERVICES PLANNING AND ORGANIZATION

Description: This course is a study of the necessary instruments to manage the marketing and sales force for Hotel Business Administration

CREDITS: 4

HOTEL MANAGEMENT DEGREE

LHT118 FOODS & DRINKS I

Prerequisite: None

Description: This course provides the student the basic operations knowledge to work in the foods and drinks hotel department.

CREDITS: 4

LAH123 HYGIENE AND FOOD CARRYING

Prerequisite: LHT118

Description: The student will know the different techniques to prevent contamination of food and drinks.

CREDITS: 4

LAH126 PRODUCTION PRINCIPLES

Prerequisite: LAH123 HYGIENE AND FOOD CARRYING

Description: With the knowledge of this course the student will be able to make decisions related to these areas.

CREDITS: 4

LAH124 NUTRITION AND MENU PLANNING

Prerequisite: LAH126 PRODUCTION PRINCIPLES

Description: The student will know the nutritional content of meals, not only as an important source of energy, but also as a way to maintain the health of a person

CREDITS: 4

LAC103 AMERICAS´ CUISINE

Prerequisite: None

Description: The student will learn about the different types of food from different American countries

CREDITS: 4

LAC102 FOODS AND DRINKS COSTS

Prerequisite: None

Description: The student will develop the skills to analyze costs, and elaborate budgets in a convenient and intelligent fashion.

CREDITS: 4



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LAC106 ASIAN CUISINE I

Prerequisite: None

Description: Theory and practical course. The student will know the elements, techniques and dishes contained in Asian cuisine.

CREDITS: 4

LAC105 MEDITERRANEAN AND EUROPEAN CUISINE

Prerequisite: LAC100

Description: The student will know the elements contained of European and Mediterranean gastronomy; people, ingredients, weather and others.

CREDITS: 4

LAC107 WINES

Prerequisite: LAC101

Description: At the end of this course the student will be well-prepared to develop the activities of the foods and drinks departments.

CREDITS: 4

LAC104 BAKERY

Prerequisite: None

Description: The student will combine his artistic skills with knowledge provided by this course to make both classic desserts and contemporary desserts, cakes, ice creams, mousses and sweet sauces.

CREDITS: 4

HUMAN RESOURCES

LRH101 HUMAN RESOURCES ADMINISTRATION II

Prerequisite: AMC121

Description: In this course the student will analyze the concepts of training and personal development, position descriptions.

CREDITS: 4

LRH103 THE PERSONALITY OF THE EXECUTIVE OF HUMAN RESOURCES

Prerequisite: AMC131, AMC134

Description: Theory and research work about personality and its relation with the labor environment.

CREDITS: 4

LRH106 HUMAN RESOURCES ADMINISTRATION III

Prerequisite: AMC131, AMC134, LRH101



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Description: Techniques to design a training program and the evaluation of the same program.

CREDITS: 4

LRH107 ADMINISTRATION OF TRAINING PROCESSES

Prerequisite: AMC131, AMC134, LRH101

Description: This course will provide the student with the techniques to orient the various strategies of training as well as the follow up and evaluation process.

CREDITS: 3

LRH109 LABOR LAW

Prerequisites: AMC135, LAN108

Description: A guide for the company labor policies within the juridical frame of the country.

CREDITS: 4

LRH111 HUMAN RESOURCES ADMINISTRATION IV

Prerequisites: LRH105

Description: The aim of this course is for the student to obtain a conceptualization of the modern administrator and the different strategies to identify problems and their possible alternative solutions.

CREDITS: 4

LRH112 INCLUSIVE MANAGEMENT

Prerequisites: LAN108

Description: The practical management development for the service of private corporations or the service of government organisms.

CREDITS: 4

LRH113 TECHNIQUES OF DIRECTION

Prerequisites: LRH105, LRH107

Description: The student will learn the necessary concepts to identify issues related with the solution of problems.

CREDITS: 4

LRH114 MICRO CORPORATIONS ORGANIZATION

Prerequisites: LAN108, LRH107

Description: The course aim is the understanding of the most adequate principles and methods for the administration of the micro and Small Corporation. CREDITS:

4

LRH115 SALARY ADMINISTRATION AND CHARGES EVALUATION

Prerequisites: AMC103, LRH105

Description: The student will learn how to design an effective salary system.



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CREDITS: 4

MARITIME AND HARBOR ADMINISTRATION

LAMP101 THEORY AND SHIPS OPERATION

Prerequisite: None

Description: The student will learn about the different kinds of ships. Ships operation and uses. Regulations.

CREDITS: 4

LAMP102 MARITIME GEOGRAPHY

Prerequisite: None

Description: Study of the sea, coasts, maritime and harbour development.

CREDITS: 4

LAMP103 HARBOR INFRASTRUCTURE

Prerequisite: LAMP101 THEORY AND SHIPS OPERATION

Description: The student will learn about the different equipment for Harbour operation.

CREDITS: 4

LAMP104 INTRODUCTION TO HARBOR ADMINISTRATION

Prerequisite: AMC103 HARBOR INFRASTRUCTURE

This course explores the administrative functions of maritime and harbour areas

CREDITS: 4

LAMP105 NATIONAL MARITIME LEGISLATION

Prerequisite: None

Description: The student will learn about the national and international laws and agreements related with maritime and harbour activities.

CREDITS: 4

LAMP106 HARBOR OPERATION I

Prerequisite: LAMP104 INTRODUCTION TO HARBOR ADMINISTRATION

Description: This course studies the required operations in terminals and harbours.

CREDITS: 4

LAMP108 PLANNING And HARBOR DEVELOPMENT

Prerequisite: LAMP103 HARBOUR INFRASTRUCTURE

Description: The student will learn about the strategies and corporate tools which are necessary to create harbours.

CREDITS: 4



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LAMP111 HARBOR And SHIPPING MARKETING

Prerequisite: LAMP108 PLANNING AND HARBOR DEVELOPMENT Description: Marketing techniques for national and international maritime markets CREDITS: 4

LAMP11 G LOAD AND CONTAINERS MANAGEMENT

Prerequisite: LAMP106 HARBOUR OPERATION I
Description: The student will learn about the logistics for loads transportation, codes and different types of load.
CREDITS: 4

LAMP118 OPERATIONS OF THE CHANNEL OF PANAMA

Prerequisite: LAMP116 LOAD AND CONTAINERS MANAGEMENT
Description: This course focuses on various aspects of the operation of the Panama Canal.
CREDITS: 4

PSYCHOLOGY DEGREE

LPS502 HUMAN NEURO-ANATOMY

Prerequisite: None
Description: This course studies the relationship between the brain and human behaviour. We will explore the Nervous System Disposition and the neuron as an atomic unit.
CREDITS: 4

LPS510EST APPLIED TO PSYCHOLOGY

Prerequisite: LPS509 EST APPLIED TO PSYCHOLOGY I
Description: This course explores the physiologic function of the human being to know and understand human behaviour
CREDITS: 4

LPS517 EXPERIMENTAL PSYCHOLOGY II

Prerequisite: LPS513
Description: The student will know the inferential techniques of Statistics and its application in Psychology research.
CREDITS: 4

LPS526 PSYCHOLOGY OF THE PERSONALITY II

Prerequisite: LPS522
Description: Through experimental analysis the student will practice a real scientific analysis of the human behaviour.
CREDITS: 3



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LPS528 VOCATIONAL ORIENTATION II

Prerequisite: LPS524

Description: The student will develop the techniques and procedure to realize an evaluation of vocational and professional orientation.

CREDITS: 4

LPS536 PSYCHOPATHOLOGY II

Prerequisite: LPS531

Description: This is the science which studies the causes and origin of mental illness in order to recognize the various psychopathology conditions.

CREDITS: 4

LPS542 MENTAL HEALTH II

Prerequisite: LPS535

Description: The prevention of psychology conditions to keep and preserve the mental health of the human being.

LPS544 CLINIC PSYCHOLOGY II

Prerequisite: LPS531

Description: The student will develop the skills to apply and interpret the clinic test as an essential element of psycho-diagnosis.

CREDITS: 4

LPS601 INDUSTRIAL PSYCHOLOGY II

Prerequisite: LPS533

Description: The aim of this course is to offer knowledge about the man-corporation relation, and the variables of the environment

CREDITS: 4

LPS602 PSYCHOTHERAPY II

Prerequisite: LPS540

Description: This course is an analysis of the different psychotherapeutic procedures.

CREDITS: 4

SYSTEMS & INDUSTRIAL ENGINEERING DEGREE

IIN008 INDUSTRIAL ENGINEERING FOUNDAMENTS

Prerequisite: None

Description: History and development of industrial Engineering and Engineering systems. Principles of Industrial and Systems Engineering. The future of Industrial and Systems Engineering.

CREDITS: 5



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LCS014 PROGRAMMING COMPUTERS

Prerequisite: NONE

Description: Introduction to Programming. Classification of Programming languages.

CREDITS: 5

ICO002 COMPUTERIZED SYSTEMS

Prerequisite: LCS014 PROGRAMMING COMPUTERS

Description: This is a study of the tools and system programs used in Industry

CREDITS 4

AMC132 OPERATIONS RESEARCH I

Prerequisite: IMA004

Description: Introduction to operations research. Implementing problems of mathematical programs.

CREDITS 4

ICC000 TOTAL QUALITY CONTROL

Prerequisite: AMC119

Description: Total quality management for improving performance.

CREDITS 6

LAN107 PRODUCTION PLANNING AND CONTROL

Prerequisite: ICC000

Description: The student will understand the importance of planning in the modern corporation

CREDITS 4

INO003 SYSTEMS ENGINEERING IN THE ORGANIZATIONS

Prerequisite: IIN005

Description: Techniques to control and administrate information systems

CREDITS 6

INE001 INDUSTRIAL HYGIENE AND SECURITY

Prerequisite: INO003 Systems Engineering in the organization.

Description: Different learning procedures to work in a safe environment

CREDITS: 5

INO006 MANUFACTURING PROCESSES

Prerequisite: LAN107 PRODUCTIONS, PLANIFICATION AND CONTROL

Description: The student will learn the different methods, production systems and tools.

CREDITS 6



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AMC131 PROJECTS DESIGN AND EVALUATION

Prerequisite: AMC139

Description: Development of the different stages of a project

CREDITS 4

TELECOMMUNICATIONS AND NETWORK ENGINEERING EMPHASIS ON WIRELESS AND IP TECHNOLOGY

LSG012 INTRODUCTION TO TELECOMUNICACIONES

Prerequisite:

Description: English lessons to learn technical business vocabulary in order to analyze real situation in the international trade area.

CREDITS: 4

LSG015 LAN TECHNOLOGY

Prerequisite:

Description: Access to LAN is one of the most important steps to the development of the Information Field

CREDITS: 4

LSG008 INFORMATION TECHNOLOGY LAW

Prerequisite:

Description: Wide view of IT law, not only topics about juridical protection but also the juridical protection of Databases.

CREDITS:4

ITR004 WIRELESS SYSTEMS

Prerequisite:LSG049

Description: The student will learn about the mechanism of electromagnetic waves and design of the main types of antennas commonly used in today's world.

CREDITS: 5

ITR007 LAN II

Prerequisite:LSG015 LAN I

Description: The student will learn about transmission lines and design, modulated and antennas characteristics.

CREDITS: 5

ITR005 WIRELESS SYSTEMS II Prerequisite:

ITR004 WIRELESS SYSTEMS I



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Description: The aim of this course is for the student to learn about the parameters and mechanism to solve calculus problems associated with satellite connections.

CREDITS: 5

ITR009 Network AND LAN SECURITY

Prerequisite: LSC049

Description: Students will acquire a general vision of the area of IT security with the necessary background knowledge to understand the risks, threats, and vulnerabilities affecting computer systems nowadays, as well as of the controls and protection methods available against possible attacks, which are necessary for these systems to operate properly in modern companies.

CREDITS:5

ITR008 LAN TECHNOLOGY II

Prerequisite:ITR007 LAN TECHNOLOGY I

Description: The student will learn about WAN concepts and the techniques to multiplex and commute data for transmissions

CREDITS: 5

ITR006 WIRELESS SYSTEMS III

Prerequisite: ITR005 WIRELESS SYSTEMS II

Description: The aim of this course is to introduce the student into the basic principles of Engineering studies. Function and operation of cellular systems.

CREDITS: 5

ITR010 NETWORK OPERATING SYSTEMS

Prerequisite: LSC033

Description: By the end of the course, students will be able to: Understand the protocols, algorithms and standards involved in the first two layers of the ISO/OSI reference model (physical layer and the data link layer). Execute wiring and local network configuration practices.

CREDITS: 5

TOURISM BUSINESS ADMINISTRATION

MAC147 PANAMA TOURISM GEOGRAPHY

Prerequisite: AMC124

Description: The student will know the main geographic zones of his country.

CREDITS: 4

LTC103 QUALITY CONTROL AND TOURISM SERVICES

Prerequisite: LAH140



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Description: The important role of quality control for the successful development of the tourism industry

CREDITS: 4

LHT127 TRAVEL AGENCIES AND HOTEL ADMINISTRATION

Prerequisite: LTC103

Description: The student will know the basic elements of travel agencies, transportation and the management of hotel chains.

CREDITS: 4

LAT104 TRAVEL AGENCIES ADMINISTRATION II AND INTERNATIONAL REGULATION

Prerequisite:

Description: A wide view of the important elements of travel agency management.

CREDITS: 4

LATI102 INTERNATIONAL TOURISM CIRCUITS

Prerequisite:

Description: The student will have general knowledge about tourism programs as well as the skill to evaluate the functions of this field

CREDITS: 4

LATI101 INTERNATIONAL PROTOCOL

Prerequisite:

Description: History and evolution of tourism administration and the basic elements for the good management of tourism.

CREDITS: 4

LHT134 TOURISM PLANNING

Prerequisite: LATI102

Description: The student will know the techniques to develop strategic tourism planning.

CREDITS: 4

LATI107 ACTIVITIY ORGANIZATION AND INTERNATIONAL TOURISM FERIAS

Prerequisite:

Description: This course allows the student have a good command of planning and organizing in the tourism field.

CREDITS: 4

LATI105 INTERNATIONAL TOURISM TRANSPORTATION.

Prerequisite: LATI102



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Description: The student will acquire the knowledge to correctly develop this specialized activity.

CREDITS: 4

LATI110 INTERNATIONAL TOURISM LEGISLATION

Prerequisite: LAT1107

Description: The student will know the national and international juridical tools, to start tourism companies around the world, as well as understanding the operational possibilities and limits for this activity.

CREDITS: 4