



Academic Leveling Courses: Online Educational Service Summary

Peregrine Academic Services provides a range of online educational services including comprehensive training courses and programmatic-level exams.

This document focuses on the Academic Leveling Courses (ALC) and Tests. These may be used for both undergraduate and graduate students.

The ALC service helps students succeed with their business programs by providing foundational knowledge and skills in a broad range of business education topic areas. The ALC service provides non-business majors, or students needing to refresh their knowledge, with the necessary business education fundamentals to complete undergraduate or advanced degrees.

The ALC courses are also used by institutions as the first course(s) in their curriculum and to assess whether pre-requisite requirements have been met and where appropriate provide the course work to address any gaps.

Each course includes a 20-question pre-test, 4-6 hours of online instructional content including review questions, and a 20-question post-test.

This document provides information on:

- ALC courses, sections and sub-sections
- The expected learning outcomes for each course.

Courses available:

Foundations of Accounting
Foundations of Business Ethics
Foundations of Business Integration and Strategic Management
Foundations of Business Finance
Foundations of Business Leadership
Foundations of Global Dimensions of Business
Foundations of Human Resource Management
Foundations of Information Management Systems
Foundations of Legal Environment of Business
Foundations of Macroeconomics
Foundations of Marketing
Foundations of Microeconomics
Foundations of Operations/Production Management
Foundations of Organizational Behavior
Foundations of Quantitative Research Techniques and Statistics

Course: Foundations of Accounting

Expected Student Learning Outcomes

At the conclusion of this course, students will be able to:

1. Describe basic financial statement analytical procedures.
2. Apply financial statement analysis to assess the solvency of a business.
3. Apply financial statement analysis to assess the profitability of a business.
4. Summarize the uses and limitations of analytical measures.
5. Describe the contents of corporate annual reports.
6. Explain the nature and importance of capital investment analysis.
7. Evaluate capital investment proposals using the following methods: average rate of return, cash payback, net present value, and internal rate of return.
8. Describe factors that complicate capital investment analysis.
9. Explain the capital rationing process.
10. Describe the basic elements of a financial accounting system.
11. Summarize transactions for a corporation's first period of operations.
12. Summarize transactions for a corporation's second period of operations.
13. Describe the Sarbanes-Oxley Act of 2002 and its impact on internal controls and financial reporting.
14. Explain the objectives and elements of internal control.
15. Explain the use of a bank reconciliation in controlling cash.
16. Describe the nature and objectives of budgeting.
17. Describe the master budget for a manufacturing business.
18. Explain how standards are used in budgeting.
19. Interpret the basic variances for direct materials and direct labor.
20. Describe examples of nonfinancial performance measures.

Course Sections and Sub-sections

- **Financial Statement Analysis**
 - Basic Analytical Procedures
 - Solvency Analysis
 - Profitability Analysis
 - Summary of Analytical Measures
 - Corporate Annual Reports
- **Capital Investment Analysis**
 - Nature of Capital Investment Analysis
 - Methods of Evaluating Capital Investment Proposals
 - Factors That Complicate Capital Investment Analysis
 - Capital Rationing
- **Basic Accounting Concepts**
 - Elements of an Accounting System
 - Recording a Corporation's First Period of Operations
 - Financial Statements for a Corporation's First Period of Operations
 - Recording a Corporation's Second Period of Operations
 - Financial Statements for a Corporation's Second Period of Operations
- **Sarbanes-Oxley, Internal Control, and Cash**
 - Sarbanes-Oxley Act of 2002
 - Internal Control
 - Cash Controls over Receipts and Payments

- Bank Accounts
- Bank Reconciliation
- Special-Purpose Cash Funds
- Reporting Cash on Financial Statements
- **Budgeting and Standard Cost Systems**
 - Nature and Objectives of Budgeting
 - Master Budget
 - Standards
 - Budgetary Performance Evaluation
 - Variance from Standards
 - Standards for Nonmanufacturing Expenses
 - Nonfinancial Performance Measures

Course: Foundations of Business Ethics

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Discuss conceptualizations of business ethics from an organizational perspective.
2. Examine the historical foundations and evolution of business ethics.
3. Restate evidence that ethical value systems support business performance.
4. Describe a comprehensive framework for ethical decision making in business.
5. Recognize individual and organizational factors that may influence ethical decision making in business.
6. Identify leadership styles and habits that promote an ethical culture.
7. Discuss the role of culture as a factor in business ethics.
8. Explain global values.
9. Recognize a number of ethical issues around the globe.
10. Identify stakeholders' roles in business ethics.
11. Examine the role of corporate governance in structuring ethics and social responsibility in business.
12. Restate the steps involved in implementing a stakeholder perspective in social responsibility and business ethics.
13. Describe the responsibility of the corporation to be a moral agent.
14. Recognize the keys to successful ethics training, including program types and goals.
15. Examine the ways that ethical standards are monitored, audited, and enforced and to understand the need for continuous improvement.

Course Sections and Sub-sections

- **The Importance of Business Ethics**
 - Business Ethics Defined
 - Why Study Business Ethics?
 - The Development of Business Ethics
 - Developing an Organizational and Global Ethical Culture
 - The Benefits of Business Ethics
- **Ethical Decision Making and Ethical Leadership**
 - A Framework for Ethical Decision-Making in Business
 - Using the Ethical Decision-Making Framework to Improve Ethical Decisions
 - The Role of Leadership in a Corporate Culture
 - Leadership Styles Influence Ethical Decisions
 - Habits of Strong Ethical Leaders
- **Business Ethics in a Global Economy**
 - Ethical Perceptions and International Business
 - Global Values
 - The Multinational Corporation
 - Sexual and Racial Discrimination
 - Human Rights
 - Price Discrimination
 - Bribery
 - Harmful Products
 - Pollution and the Natural Environment
 - Telecommunication Issues
 - Intellectual Property Protection

- World Trade Organization
- **Stakeholder Relationships, Social Responsibility, and Corporate Governance**
 - Stakeholders Define Ethical Issues in Business
 - Social Responsibility and the Importance of a Stakeholder Orientation
 - Social Responsibility and Ethics
 - Corporate Governance Provides Formalized Responsibility to Stakeholders
 - Implementing a Stakeholder Perspective
- **Developing an Effective Ethics Program**
 - The Responsibility of the Corporation as a Moral Agent
 - The Need for Organizational Ethics Programs
 - An Effective Ethics Program
 - Codes of Conduct
 - Ethics Officers
 - Ethics Training and Communication
 - Systems to Monitor and Enforce Ethical Standards

Course: Foundations of Business Integration and Strategic Management

Expected Student Learning Outcomes

At the conclusion of this course, students will be able to:

1. Understand and explain the basic concepts of strategy – competitive advantage, mission, vision, objectives, and core competencies.
2. Identify and appreciate the significance of the five-step strategic management process.
3. Explain the generic strategies of cost leadership and differentiation.
4. Analyze an organization using SWOT.
5. Analyze an industry using the five forces model.
6. Understand the significance of strategic groups.
7. Identify the various growth strategies available to firms.
8. Understand the importance of strategic leadership.
9. Identify the strategic leadership skills.
10. Explain the need for change and the role of strategic leadership in organizational change.
11. Develop an appreciation for the eight-stage change process.
12. Understand the distinction between internal and external customers.
13. Understand segmentation, targeting, and positioning concepts.
14. Understand the relationship between customer service and customer loyalty.
15. Identify the components of service quality.
16. Apply the elements of value to a given product or service.
17. Understand performance management and its role in organizational performance.
18. Understand balanced scorecard, strategy maps, and activity-based costing.
19. Develop an appreciation of the role of supply chains in organizational success.
20. Explain performance management from a system framework.
21. Understand the criticality of continuous improvement in achieving and sustaining competitive advantage.
22. Explain the PDCA model for continuous improvement.
23. Understand problem solving methodologies.
24. Develop an appreciation for after action reviews in continuous improvement initiatives.
25. Understand today's tools of six sigma, lean, and poka-yoke.
26. Understand and interpret the components of the value chain.
27. Explain the importance of value chain integration.
28. Understand integrated business planning.
29. Define the role of ERP in business integration.

Course Sections and Sub-sections

- **Strategy Concepts**
 - What is strategy?
 - Mission, vision, and objectives
 - Core competencies
 - The five-stage strategic management process
 - Porter's generic strategies
 - Situation analysis – SWOT and Five Forces Model
 - Strategic groups
 - Growth strategies
- **Strategic Leadership**
 - What is leadership?

- The leadership challenge
- Strategic leadership
- Strategic leadership skills
- Strategic leadership and change
- The eight-step change process
- **Customer Focus**
 - Defining customers
 - Segmentation, targeting, and positioning
 - Customer focus and loyalty
 - Customer focus and service quality
 - Service quality components
 - The elements of value
- **Performance Management**
 - What is performance management?
 - Practical tools for performance management
 - Knowledge management system
 - Balanced scorecard, strategy maps, and activity-based costing
 - Supply chain management
 - System framework for performance management
- **Continuous Improvement**
 - Generic blocks of competitive advantage
 - Quality and continuous improvement
 - PDCA model
 - Continuous improvement methodology
 - Problem solving methodology
 - After action reviews
 - Six sigma, lean, and poka-yoke
- **Business Integration**
 - Michael Porter's Value Chain
 - Value chain integration
 - Integrated business planning
 - ERP and business integration

Course: Foundations of Business Finance

Expected Student Learning Outcomes

At the conclusion of this course, students will be able to:

1. Describe how financial professionals use accounting information to analyze the firm's cash flows and financial performance.
2. Identify and examine four major financial statements.
3. Restate the key concepts involved in cash flow analysis.
4. Explain how popular financial ratios are used to analyze a firm's financial performance.
5. Recognize how firms develop strategic plans that look ahead into the future.
6. Explain how detailed operating plans can project inflows and outflows of cash.
7. Discuss how strategic plans can help firms project earnings over one or two years.
8. Examine how financial plans are used by managers to line up financing before cash shortfalls become critical.
9. Recognize how financial plans help firms identify problems before they arise.
10. Describe different types of financial instruments.
11. Explain the types of debt.
12. Discuss bond ratings and why they are important.
13. Recognize the features and characteristics of equity.
14. Explain the cost of money and how it is determined.
15. Review factors that affect interest rates.
16. Describe how government actions and business activity affect interest rates.
17. Discuss how the level of interest rates affect the values of stocks and bonds.
18. Explain the relevant cash flows associated with a capital budgeting project.
19. Describe how firms make decisions about whether to invest in costly, long-lived real assets.
20. Identify how a firm chooses between two or more acceptable investments when only one can be purchased.
21. Recognize how risk is incorporated in capital budgeting analysis.

Course Sections and Sub-sections

- **Financial Statement and Cash Flow Analysis**
 - Financial Statements
 - Cash Flow Analysis
 - Assessing Financial Performance Using Ratio Analysis
- **Strategic and Operational Financial Planning**
 - Overview of the Planning Process
 - Planning for Growth
 - Planning and Control
- **Financial Assets (Instruments)**
 - A Managerial Perspective
 - Financial Instruments and the Firm's Balance Sheet
 - Debt
 - Bond Contract Features
 - Bond Ratings
 - Stock (Equity)
 - Derivatives
 - Rationale for Different Types of Securities

- Which Financial Instrument Is Best?
- **The Cost of Money (Interest Rates)**
 - A Managerial Perspective
 - Realized Returns (Yields)
 - Factors That Affect the Cost of Money
 - Interest Rate Levels
 - The Determinants of Market Interest Rates
 - The Term Structure of Interest Rates
 - Why Do Yield Curves Differ?
 - Does the Yield Curve Indicate Future Interest Rates?
 - Other Factors That Influence Interest Rate Levels
 - Interest Rate Levels and Stock Prices
 - The Cost of Money as a Determinant of Value
- **Capital Budgeting**
 - A Managerial Perspective
 - The Importance of Capital Budgeting
 - Project Classifications
 - Steps in the Valuation Process
 - Estimating a Project's Cash Flows
 - Cash Flow Estimation – Illustrations of Expansion Projects and Replacement Projects
 - Capital Budgeting Evaluation Techniques
 - Comparison of the NPV and IRR Methods
 - Cash Flow Patterns and Multiple IRRs
 - Modified Internal Rate of Return
 - Conclusions on the Capital Budgeting Decision Methods
 - Incorporating Risk in Capital Budgeting Analysis
 - How Project Risk Is Considered in Capital Budgeting Decisions
 - Multinational Capital Budgeting

Course: Foundations of Business Leadership

Expected Student Learning Outcomes

At the conclusion of this course, students will be able to:

1. Identify general and task-related traits that contribute to leadership effectiveness.
2. Recognize key motives that contribute to leadership effectiveness.
3. Describe cognitive factors associated with leadership effectiveness.
4. Discuss the hereditary versus environment issue in relation to leadership effectiveness.
5. Review the strengths and weaknesses of the trait approach to leadership.
6. Explain how leaders develop through self-awareness and self-discipline.
7. Discuss how leaders develop through education, experience, and mentoring.
8. Review the nature of leadership development programs.
9. Describe the nature of leadership succession.
10. Describe many of the traits and behaviors of charismatic leaders.
11. Explain the communication style of charismatic leaders.
12. Explain the nature of transformational leadership.
13. Identify several of the impacts of charismatic and transformational leadership on performance and behavior.
14. Review the key leadership dimensions of initiating structure and consideration.
15. Discuss how leaders use 360-degree feedback to improve their performance.
16. Describe different leadership styles.
17. Recognize how to choose the most appropriate leadership style.
18. Explain how the situation influences the choice of leadership objectives.
19. Discuss the contingency theories of leadership effectiveness.

Course Sections and Sub-sections

- **Leadership: Traits, Motives, and Characteristics**
 - Personality Traits of Effective Leaders
 - Leadership Motives
 - Cognitive Factors and Leadership
 - Application of the Traits, Motives, and Characteristics approach
- **Leadership Development and Succession**
 - Development Through Self-Awareness and Self-Discipline
 - Development Through Education, Experience, and Mentoring
 - Leadership Development Programs
 - Leadership Succession
- **Charismatic and Transformational Leadership**
 - The Meanings of Charisma
 - Types of Charismatic Leaders
 - Attributes of Charismatic Leaders
 - The Vision Component of Charismatic Leadership
 - Transformational Leadership
 - Attributes of Transformational Leadership
 - How Transformation Occurs
- **Leadership Styles**
 - Measuring leadership effectiveness
 - Dimensions of Consideration and Initiating Structure
 - Attitudes and Behaviors

- Leadership Styles
- **Contingency Leadership**
 - Situational Influences on Effective Leadership Behavior
 - Fiedler's Contingency Theory of Leadership Effectiveness
 - The Path-Goal Theory of Leadership Effectiveness
 - Situational Leadership® II (SLII)
 - The Normative Decision Model
 - Cognitive Resource Theory
 - Contingency Leadership in the Executive Suite
 - Leadership During a Crisis

Course: Foundations of Global Dimensions of Business

Expected Student Learning Outcomes

At the conclusion of this course, students will be able to:

1. Explain global perspectives on markets and products.
2. Describe the components of global thinking.
3. Discuss the considerations of industry, resource, and institutions on global markets.
4. Identify what determines the success or failure of firms around the globe.
5. Define institutional structures and leadership in global terms.
6. Recognize the impact of cultures and management styles on MNEs.
7. Review the importance of global thinking and planning as a foundation for firm growth.
8. Apply global strategies to business decisions.
9. Recognize the significance of a multi-pronged approach to planning and executing good business practices in the global business world.
10. Explain the necessity to overcome the liability of foreignness.
11. Review the comprehensive model of foreign market entries.
12. Describe the quest for location-specific advantages with strategic goals.
13. Recognize first and late mover advantages.
14. Describe specific steps for foreign market entries.
15. Explain product diversification and geographic diversification.
16. Review the comprehensive model of diversification.
17. Describe the motives and performance of acquisitions.
18. Discuss the impact of restructuring.

Course Sections and Sub-sections

- **Strategizing Around the Globe**
 - Why Study Global Strategy?
 - What Is Strategy?
 - Fundamental Questions in Strategy
 - What Is Global Strategy?
 - What Is Globalization?
 - Global Strategy and Globalization at a Crossroads
- **Managing Global Competitive Dynamics**
 - Strategy as Action
 - Industry-Based Considerations
 - Resource-Based Considerations
 - Institution-Based Considerations
 - Attack and Counterattack
 - Cooperation and Signaling
 - Local Firms Versus Multinational Enterprises
 - Debates and Extensions
 - The Savvy Strategist
- **Strategizing, Structuring, and Learning Around the World**
 - Multinational Strategies and Structures
 - A Comprehensive Model of Multinational Strategy, Structure, and Learning
 - Worldwide Learning, Innovation, and Knowledge Management
 - Debates and Extensions
 - The Savvy Strategist

○

- **Entering Foreign Markets**
 - Overcoming the Liability of Foreignness
 - Understanding the Propensity to Internationalize
 - A Comprehensive Model of Foreign Market Entries
 - Where to Enter?
 - When to Enter?
 - How to Enter?
 - Debates and Extensions
 - The Savvy Strategist
- **Diversifying, Acquiring, and Restructuring**
 - Product Diversification
 - Geographic Diversification
 - Combining Product and Geographic Diversification
 - A Comprehensive Model of Diversification
 - Acquisitions
 - Restructuring
 - Debates and Extensions
 - The Savvy Strategist

Course: Foundations of Human Resource Management

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Understand what Human Resource Management (HRM) is and its importance.
2. Define HRM competencies, functions and framework
3. Understand importance of recruiting and development
4. Understand essential elements of the recruiting process
5. Describe the critical aspects of the performance management process
6. Describe the training and development process
7. Understand essential aspects of career management
8. Understanding essential aspects of compensation management and strategy
9. Know the factors involved in ensuring compensation equity
10. Understand legal considerations in compensation
11. Describe methods of job evaluation and designing pay plans
12. Understand the concept of employ relations and the key aspects effecting it.
13. Understand the essential elements of open and honest communications, fair treatment, ethical workplaces, and discipline and due process.
14. Understand the legal framework and the main types of laws relating to Human Resource Management and the main obligations employers and employees have for complying with them.

Course Sections and Sub-sections

- **Introduction to Human Resource Management (HRM)**
 - Introduction to HRM
 - Importance of HRM
 - HRM competencies and functions
 - HRM Framework
- **Recruiting & Talent Management**
 - Strategic importance
 - Recruiting process and integration with other factors
 - Job analysis
 - Recruiting sources and methods
- **Performance Management**
 - Performance management system
 - Training and development
 - Career management
- **Compensation**
 - Compensation Basics and Strategy
 - Compensation Equity
 - Compensation Laws
 - Job Evaluation
 - Compensation Plans
- **Employee Relations**
 - Open and Honest Communications
 - Fair Treatment
 - Ethical Workplace
 - Discipline and Due process
- **Legal Compliance**

- Legal Framework
- Privacy
- Equal Opportunity Employment/Discrimination
- Health and Safety

Course: Foundations of Information Management Systems

Expected Student Learning Outcomes.

At the conclusion of the course, students will be able to:

1. Build an understanding of current information management technologies, such as databases, communication protocols, and cloud computing.
2. Identify the value added to data by being processed into information to support problem-solving, decision-making and knowledge management.
3. Understand the importance of risk and opportunity assessment, change management, and understanding of practical frameworks for resolving business challenges.
4. Understand current deliberations concerning privacy, corporate legal and ethical responsibility in modern society.
5. Recognize how decision support systems and expert systems are used in various domains and the value added by incorporating machine learning and artificial intelligence into business processes.
6. Gain knowledge of the roles within the Information Management Systems department.
7. Explain the difference between applications and operating system software as well as an understanding of software licensing models.
8. Identify and describe various networking protocols and wireless technologies as well as internet services.
9. Understand the role of Governance, Risk and Compliance and appropriate project management in the building and managing of Information Management Systems

Course Sections and Sub-sections

- Organizations, Technology, And The Globalization Of Business
- Business Information Technology Infrastructure
- Key Technologies For The Knowledge Worker
- Securing Information Management Systems
- Building and Managing Information Management Systems

Course: Foundations of Legal Environment of Business

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Explain the sources of our laws and why we have the laws.
2. Compare and contrast court systems at the federal, state, and local levels.
3. Understand the implications of ethics in business.
4. Identify the elements of a contract and recognize their importance.
5. Understand the importance of law in the global business environment.

Course Sections and Sub-sections

- **Foundational Principles**
 - The Legal System
 - Distinguishing Law
 - Legal Reasoning
 - Law and Business
 - Alternate Dispute Resolution (ADR)
 - Torts
- **Law of Contracts**
 - Contracts and Components
 - Legality and Unconscionability
 - Breach of Contract and Remedies
- **Business and Ethics**
 - Ethical Foundations
 - Ethical Misconduct
 - The Ethical Organization
- **Forms of Business Organizations**
 - Forms of Organizations
 - Managing the Corporation
- **Global Legal Environment**
 - Going Global
 - Global Dispute Settlement
 - Global Business and Taxation
 - International Trade

Foundations of Macroeconomics

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Discuss the theory of supply and demand.
2. Understand the importance of scarcity, choice, and opportunity cost in economics.
3. Describe the theory of supply and demand in real-life scenarios.
4. Apply CPI to prices and unemployment.
5. Describe the concepts of prices and unemployment trends as they relate to macroeconomics.
6. Explain the use of GDP and Real GDP to determine the economic health of a country.
7. Recognize the use of economic growth and business cycles as macroeconomic measurements.
8. Review the influences of aggregate demand and aggregate supply.
9. Describe the uses of aggregate demand, short run aggregate supply, and long run aggregate supply as economic indicators.

Course Sections and Sub-sections

- **Introduction to Macroeconomics**
 - Keynesian School of Thought
 - Demand
 - Supply
 - Stagflation/Inflation/Deflation
 - Recession
 - Role of Government
- **Prices and Unemployment**
 - Business and Economic Cycles
 - Trade
 - Unemployment
 - Unemployment and Inflation
 - Cost of Living and Its Measurement
 - Factoring Time Value of Money
 - Nominal and Real Interest Rates
- **GDP and Real GDP**
 - GDP
 - National Income
 - Global Trade & Balance of Payment
 - Productivity & Growth
 - The Financial System
 - The Monetary System
- **Aggregate Demand and Aggregate Supply**
 - Open Economy Principles
 - Aggregate Demand and Aggregate Supply
 - Final Thoughts

Course: Foundations of Marketing

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Explain marketing and its importance.
2. Describe the 5C, STP, and 4P frameworks.
3. Discuss segmentations and its importance to customers.
4. Identify indicators of good segmentation.
5. Define distribution/channel intensity.
6. Recognize the impact of channel power on channel behavior.
7. Review the importance of research in marketing decision making.
8. Apply marketing research tools in business situations.
9. Describe the role corporate identity plays in strategic behavior.
10. Recognize the significance of marketing metrics in strategy.

Course Sections and Sub-sections

- **What Is Marketing?**
 - Marketing is an Exchange Relationship
 - Why is Marketing Important?
 - The Marketing Framework
 - The Marketing Science of Customer Behavior
- **Marketing Segmentation**
 - Why Segment?
 - What are Market Segments?
 - How do Marketers Segment the Market?
- **Channels of Distribution and Business Marketing Networks and Logistics**
 - What is Distribution?
 - What are Distribution Channels, Logistics, and Supply Chain Management?
- **Marketing Research Tools**
 - What is Marketing Research, and Why is it Useful to Marketers?
 - How to Do Cluster Analysis for Segmentation
 - How to Do Perceptual Mapping for Positioning
 - How to Conduct Focus Groups for Concept Testing
 - How to Do Conjoint for Testing Attributes
 - How to Look at Scanner Data for Pricing and Coupon Experiments and Brand Switching
 - How to Conduct Surveys for Assessing Customer Satisfaction
 - How to Use Network Methods to Identify the Opinion Leader in Efforts on Buzz Marketing
 - Marketing Research Online
- **Marketing Strategy**
 - Portfolio Assessment
 - Measures to Facilitate Marketing Strategy
 - Goals
 - Strategies to Achieve Goals

Course: Foundations of Microeconomics

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Understand scarcity.
2. Understand choice and how it is linked to scarcity.
3. Understand why people make trade-offs.
4. Understand opportunity cost.
5. Understand how rational people make decisions at the margins.
6. Understand incentives.
7. Understand the role of supply and demand in economics.
8. Understand the concept of elasticity in its various forms.

Course Sections and Sub-sections

- **Scarcity, Choice, and Opportunity Cost**
 - Scarcity
 - Choice
 - Trade-offs
 - Opportunity Cost
 - Thinking at the Margins
 - Incentives
- **Supply and Demand**
 - Markets
 - Law of Demand
 - Market Demand vs. Individual Demand
 - Change in Demand vs. Change in Quantity Demanded
 - Law of Supply
 - Market Supply vs. Individual Supply
 - Change in Supply vs. Change in Quantity Supplied
 - Shifts in Both Supply and Demand
- **Elasticity**
 - Price Elasticity of Demand
 - Classifications of Price Elasticity of Demand
 - Total Revenue vs. Price
 - Price Elasticity of Supply
 - Income Elasticity of Demand
 - Cross-Price Elasticity of Demand
- **Production and Costs**
 - Price Elasticity of Demand
 - Profit Maximization – Marginal Analysis
 - Accounting Profit vs. Economic Profit
 - Production Function and Marginal Productivity
 - Production Costs and Cost Curves
 - Isoquants
 - Scale
 - Cost Curve Shifts

Course: Foundations of Operations/Production Management

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Discuss the importance of operations/supply chain management.
2. Describe the history and development of exemplary organizations.
3. Explain how single organizations can follow different competitive strategies to be successful.
4. Identify and explain supply chain strategy in single organizations and across multiple organizations.
5. Define the meaning of quality and the components of quality in goods and services.
6. Describe commonly used quality management approaches and steps in implementing them.
7. Describe the three sources for quality improvement: customer feedback, benchmarking, and employee feedback.
8. Describe and interpret qualitative quality improvement tools.
9. Describe and interpret quantitative quality improvement tools.
10. Discuss the steps involved in project management.
11. Explain the role of the project manager.
12. Describe various project management tools and techniques.
13. Review how to execute projects successfully and how to avoid risks and failure

Course Sections and Sub-sections

- **Operations and Supply Chain Strategy**
 - Operations Strategy Within a Single Organization
 - Services
 - Global Supply Chain Strategy
- **Quality Management**
 - Defining Quality
 - Why Organizations Improve Quality
 - Determinants of Quality
 - History of Quality Management
 - Teachings of Quality Gurus
 - Quality Management Frameworks
 - Six Sigma
- **Quality Improvement Methods**
 - Sources of Quality Improvement Ideas
 - Qualitative Quality Improvement Tools
 - Quantitative Quality Improvement Tools
- **Project Management**
 - Elements of Project Management
 - Project Management Tools and Techniques
 - Success Factors in Project Management

Course: Foundations of Organizational Behavior

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Understand and appreciate the concepts related to individual behavior.
2. Understand and appreciate the concepts related to interpersonal and group behavior.
3. Recognize the importance of communication in organizations.
4. Discuss various theories and constructs of leadership.
5. Describe the basic elements of organizational structure.
6. Understand and explain motivation in organizations.
7. Understand, explain, and discuss the elements of organizational culture and change.

Course Sections and Sub-sections

- **Foundational Concepts**
 - What is Organizational Behavior?
 - Organization as a System
 - Managerial Functions and Roles
- **Understanding Behavior**
 - Individual Behavior
 - Personality
 - Groups and Interpersonal Dynamics
 - Teams
- **Communication and Leadership**
 - What is Communication?
 - Types of Organizational Communication
 - What Is Leadership?
 - Leadership Theories
- **Organizational Structure and Development**
 - Elements of Organizational Structure
 - Motivation Models and Theories
 - Elements of Organizational Culture
 - Organizational Development

Course: Foundations of Quantitative Research Techniques and Statistics

Expected Student Learning Outcomes

At the conclusion of the course, students will be able to:

1. Explain key statistical concepts: the population, the sample, and the statistical inference.
2. Define descriptive and inferential statistics.
3. Describe methods of collecting data.
4. Discuss sampling plans, sampling error, and non-sampling error.
5. Describe how to assign probability to events.
6. Explain three rules that are used to calculate the probability of more complex events from the probability of simpler events.
7. Apply Bayes' Law to calculate conditional probability.
8. Recognize the significance of the sampling distribution.
9. Review the concepts of hypothesis testing.
10. Discuss the results of a test of hypothesis.
11. Describe how to make inferences about the population mean when the population standard deviation is unknown.
12. Explain how to draw inferences about a population variance.
13. Discuss the factors that identify one-way analysis of variance.
14. Recognize the effect on the response variable of two or more factors.
15. Describe the process of selecting one alternative from a list of several possible decisions.
16. Recognize the importance of acquiring, using, and evaluating additional information in decision analysis.

Course Sections and Sub-sections

- **What is Statistics?**
 - Descriptive Statistics
 - Inferential Statistics
 - Key Statistical Concepts
 - Statistical Inference
 - Confidence and Significance Levels
- **Data Collection and Sampling**
 - Methods of Collecting Data
 - Questionnaire Design
 - Sampling and Sampling Plans
 - Sampling Error and Non-sampling Error
- **Probability**
 - Assigning Probability to Events
 - Joint, Marginal, and Conditional Probability
 - Probability Rules and Trees
 - Bayes' Law
 - Identifying the Correct Method
- **Sampling Distributions**
 - Sampling Distribution of the Mean
 - Sampling Distribution of a Proportion
 - Sampling Distribution of the Difference Between Two Means
 - From Here to Inference
- **Introduction to Hypothesis Testing**

- Concepts of Hypothesis Testing
- Testing the Population Mean When the Population Standard Deviation Is Known
- Calculating the Probability of a Type II Error
- The Road Ahead
- **Inference About a Population**
 - Inference About a Population Mean When the Standard Deviation Is Unknown
 - Inference About a Population Variance
 - Inference About a Population Proportion
- **Analysis of Variance**
 - One-Way Analysis of Variance
 - Multiple Comparisons
 - Analysis of Variance Experimental Designs
 - Randomized Block (Two-Way) Analysis of Variance
 - Two-Factor Analysis of Variance
- **Decision Analysis**
 - Decision Problem
 - Acquiring, Using, and Evaluating Additional Information