**BAYERO UNIVERSITY, KANO**

**FACULTY OF SOCIAL SCIENCES**

**DEPARTMENT OF ECONOMICS**

**BSC ECONOMICS**

**30% ADDITION TO THE CCMAS COURSE STRUCTURE/SUMMARY**

**100 LEVEL**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Units** | **Status** | **LH** | **PH** |
| BUK-ECO105 | Introduction to Statistics I | 2 | C | 30 |  |
| BUK-ECO106 | Introduction to Statistics II | 2 | C | 30 |  |
| BUK-ECO107 | Basic Computer | 2 | C | 30 |  |
| BUK-ECO108 | Structure of Kano Economy | 2 | **C** | 30 |  |
|  | **Total:70% CCMAS Provided** | **12** |  |  |  |
|  | **Total: 30% Institutional Addition** | **8** |  |  |  |
|  | **Total: Other Department Requirements** | **10** |  |  |  |
|  | **Total** | **30** |  |  |  |

**\*Note:** Students are required to register **10 Core Credit Units** with other Departments outside the faculty in their 100 Level for them to balance the credits requirement of 30 core credits.

**200 Level**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Units** | **Status** | **LH** | **PH** |
| BUK-ECO207 | Principles of Finance | 2 | C | 30 |  |
| BUK-ECO208 | Commodity Exchanges and Digital Economy | 2 | C |  |  |
|  | **Total: 70% CCMAS Provided** | **21** |  |  |  |
|  | **Total: 30% Institutional Addition** | **4** |  |  |  |
|  | **Total: Other Departments Requirements** | **5** |  |  |  |
|  | **Total** | **30** |  |  |  |

**\*Note:** Students are required to register **5 Core Credit Units** with other Departments outside the faculty in their 200 Level for them to balance the credits requirement of 30 core credits.

**300 Level**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Units** | **Status** | **LH** | **PH** |
| BUK-ECO311 | Applied Statistics | 2 | C | 30 |  |
| BUK-ECO312 | Green Economy | 2 | C |  |  |
|  | **Total: 70% CCMAS** | **26** |  |  |  |
|  | **Total: 30% Institutional Addition** | **04** |  |  |  |
|  | **Total: Other Departments Requirements** | **00** |  |  |  |
|  | **Total** | **30** |  |  |  |

**400 Level**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Units** | **Status** | **LH** | **PH** |
| BUK-ECO408 | Energy Economics | 3 | C |  |  |
| BUK-ECO409 | Current National and Global Economic Issues | 2 | C |  |  |
|  | **Total: 70% CCMAS** | **25** |  |  |  |
|  | **Total: 30% Institutional Addition** | **5** |  |  |  |
|  | **Total: Other Departments Requirements** | **00** |  |  |  |
|  | **Total** | **30** |  |  |  |

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-106 Introduction to Statistics II (2 Units)**

**Learning Outcomes**

At the end of the course, students should be able to:

1. design and conduct hypothesis tests, interpret the results, and make appropriate conclusions based on the findings.
2. construct and interpret confidence intervals for population parameters, and understand the relationship between confidence intervals and hypothesis testing.
3. design and conduct one-way and two-way analysis of variance (ANOVA), interpret the results, and make appropriate conclusions based on the findings.
4. fit and interpret simple and multiple linear regression models, assess the goodness-of-fit of the models, and make predictions based on the models.
5. describe and work with commonly used probability distributions, such as the normal distribution, t-distribution, and chi-square distribution.
6. understand the concept of a sampling distribution, and be able to calculate and interpret sampling distributions of means and proportions.
7. understand the principles of statistical inference, including the concepts of estimation and hypothesis testing, and be able to apply these principles in a variety of contexts.
8. use statistical software to perform data analysis and generate appropriate graphical displays of data.

**Course Contents**

The role and significance of statistics in Social Science research. The logic and basis of inferential statistics (sampling design and selection), sampling distribution, point and interval estimates or parameters. Measures of association for nominal, ordinal, interval, and ratio levels.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-107 Basic Computer (2 Units)**

**Learning Outcomes**

At the end of the course, students should be able to:

1. Understand computer hardware components and their functions
2. Be proficient in using common operating systems such as Windows or Mac OS
3. Have ability to use basic software applications such as word processors, spreadsheets, and presentation software
4. Familiarise with computer networking and internet protocols
5. Knowledge of computer security principles and safe computing practices
6. Understand programming concepts and basic programming skills
7. Have ability to troubleshoot common computer problems
8. Understand the social and ethical implications of technology use

**Course Contents**

History and development of computer technology. The Why and How of computers, computer types: Analog, Digital-and Hybrid, central processing equipment, key punch, sorter, etc. Data transmission, nature, speed and error detection. Data capture and validation including error detection. Systems analysis and design. The programming process, problem definition, flow charting and decision table.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-108 Structure of Kano Economy (2 Units)**

**Learning Outcomes**

At the end of the course, students should be able to:

1. understand the economic base of Kano, gain insights into the key sectors and industries that contribute to the city's economic output, and understand the role of agriculture, manufacturing, trade, and services in Kano's economy, as well as understand how these sectors are interrelated.
2. explore the impact of globalization on Kano's economy and gain insights into how globalization has affected the city's economy, including changes in trade patterns, employment, and investment.
3. analyze the challenges and opportunities facing Kano's economy and gain a deeper understanding of the specific challenges and opportunities facing the city, such as infrastructure gaps, limited access to credit, and potential for growth in certain sectors.
4. develop strategies for economic development for promoting economic development in the city. This could include identifying potential areas for investment, supporting local businesses, and advocating for policies that promote economic growth and development.
5. understand the economic history and culture of Kano and the role of traditional industries and practices, as well as understanding how economic development has shaped the city's identity and social structure over time.

**Course Contents**

Agriculture: land use, crop production, livestock management, agricultural technology, and marketing strategies. Manufacturing: industries such as textiles, food processing, pharmaceuticals, and leather goods, industrial policy, manufacturing processes, quality control, and entrepreneurship. Trade and Commerce: trade policies, marketing, sales, supply chain management, and consumer behavior. Services: banking, insurance, telecommunications, tourism, and education, service delivery, customer satisfaction, financial management, and business innovation. Informal Sector: small-scale trading, transportation, and artisanal work, entrepreneurship, microfinance, and community development, challenges and opportunities facing the Kano economy, as well as potential strategies for sustainable economic development

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-108: Structure of Kano Economy** (2 Units; Core; LH = 30)

**Senate approved relevance:**

To produce graduates with versatile knowledge of economics who will be committed to addressing African development challenges through cutting-edge research using the tools of economic science.

**Overview:**

Students are often exposed to the knowledge of economics without exposing them to the actual fact of experience. Students at this level need to have knowledge of the economy of the state in which the university is domiciled to provide a starting point for their understanding of real-world economics. Structure of Kano Economy is conceived as a means of bridging the gap between theory and practice. Students will be exposed to the various sectors of Kano economy and how the various sectors interact.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-207 Principles of Finance (2 Units)**

**Learning outcomes**

At the end of the course, the students should be able to:

1. understand the key concepts and principles of finance, such as time value of money, risk and return, asset pricing, capital budgeting, and financial statements analysis.
2. analyze and interpret financial statements, including balance sheets, income statements, and cash flow statements.
3. evaluate various types of investments, including stocks, bonds, and mutual funds, and determine the appropriate investment strategy based on individual goals, risk tolerance, and market conditions.
4. apply financial modeling techniques, including forecasting, budgeting, and financial ratio analysis, to make informed financial decisions.
5. understand the role and function of financial institutions, including banks, insurance companies, and investment firms, and evaluate the different types of financial products and services they offer.
6. analyze the impact of macroeconomic factors, such as inflation, interest rates, and exchange rates, on financial markets and investments.
7. understand the importance of ethical behavior in finance, including issues related to corporate governance, social responsibility, and sustainability.
8. develop critical thinking and problem-solving skills in financial decision-making and apply those skills to real-world scenarios.
9. communicate financial information effectively, both orally and in writing, to different stakeholders, including investors, managers, and regulatory authorities.
10. develop a strong understanding of financial terminology and be able to apply it in both academic and professional settings.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-108: Structure of Kano Economy** (2 Units; Core; LH = 30)

**Senate approved relevance:**

To produce graduates with versatile knowledge of economics who will be committed to addressing African development challenges through cutting-edge research using the tools of economic science.

**Overview:**

Commodity exchanges have been around for a long time but diffusion about the operations of such exchanges have been very little, in particular, in the mainstream B.Sc Economics Programme. Commodity exchanges trade forward and futures. The establishment of Nigerian Commodity Exchange makes it necessary and desirable for our students to have knowledge of commodity exchanges. It has also become necessary for students to have knowledge of digital economy in terms of digital marketing and crypto currency.

**Course Contents**

Nature of financial management, Nigerian Financial System, functions of a financial manager, money market, capital market, etc. Ratio analysis, investment appraisal under uncertainty, introduction to capital structure, working capital management.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-208 Commodity Exchanges and Digital Economy (2 Units)**

**Learning Outcomes**

At the end of the course, students should be able to:

1. Understand the role of commodity exchanges in the global economy.
2. Understand the basic principles of commodity trading, including pricing mechanisms and risk management techniques.
3. Understand the different types of commodities traded on exchanges, including agricultural products, metals, energy, and financial instruments.
4. Understand the different market participants and their roles, including producers, consumers, traders, and speculators.
5. Understand the regulatory environment in which commodity exchanges operate, including the role of government agencies and self-regulatory organizations.
6. Develop the ability to analyze market trends and interpret market data in order to make informed trading decisions.
7. Understand the importance of ethical behavior and compliance with regulations in the commodity trading industry.
8. Understand the fundamental concepts of the digital economy, including digital platforms, e-commerce, and the sharing economy.
9. Understand the impact of digital technology on traditional business models and industries.
10. Understand the different types of digital platforms and the role they play in facilitating transactions and interactions between users.
11. Understand the different business models used by digital platforms, including advertising, subscription, and commission-based models.
12. Understand the importance of data privacy and security in the digital economy, and the regulatory frameworks that govern data protection.
13. Develop the ability to analyze market trends and consumer behavior in the digital economy.
14. Understand the opportunities and challenges of participating in the digital economy, including the potential for disruption and innovation.

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**Course Contents**

Introduction to commodity exchanges, Understanding commodity markets and their constituents, Types of commodities and commodity contracts, Futures, forwards, options, and swaps, Trading strategies and risk management, Clearing and settlement process, Role of commodity exchanges in price discovery and market efficiency, Regulatory framework and compliance requirements, Global commodity exchanges and their operations, Recent developments and future prospects of commodity exchanges; Introduction to digital economy and its evolution, Key concepts and components of the digital economy, Digital platforms and ecosystems, Digital marketing and advertising, E-commerce and online retailing, Digital payment systems and fintech, Blockchain technology and cryptocurrencies, Big data analytics and artificial intelligence, Intellectual property rights in the digital economy, Policy and regulatory issues in the digital economy.

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Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-311 Applied Statistics (2 Units)**

**Learning Outcomes**

At the end of the course, students should be able to:

1. understand statistical concepts and define and explain fundamental statistical concepts such as probability, hypothesis testing, and regression analysis.
2. conduct data analysis and apply statistical methods to real-world data, including collecting and organizing data, summarizing data, and making inferences from data.
3. interpret results and communicate statistical results, including creating visualizations of data, describing statistical significance, and identifying potential sources of bias or error.
4. evaluate statistical models and assess the strengths and weaknesses of statistical models, including evaluating assumptions, testing for model fit, and comparing models.
5. apply statistical software and use statistical software such as R, Eviews or SPSS to conduct data analysis and create visualizations.
6. critically evaluate statistical studies and evaluate the quality and reliability of statistical studies, including assessing sample size and sampling methods, identifying potential confounding variables, and evaluating statistical significance.
7. understand ethical considerations involved in statistical analysis, including issues related to data privacy, confidentiality, and informed consent.
8. apply statistical methods to real-world problems and make data-driven decisions based on statistical analysis.

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**Course Contents**

Extensions of the two-variable linear model; introduction to matrix algebra and algebra of econometrics; the General Linear Model and generalized least square procedures, violations of linear model assumptions; Identification problems meaning, detection and correction, simultaneous models and estimations, K-class estimators and the choice of estimators. Practical solution of problems and familiarity with computers to be nurtured and encouraged.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-312 Political Economy (2 Units)**

**Learning Outcomes**

At the end of the course, the students should be able to:

1. explain the major theoretical perspectives in Political Economy and analyze their respective strengths and weaknesses.
2. analyze the historical development of the global economy and assess the role of political and economic institutions in shaping it.
3. evaluate the impact of economic policies on social and political outcomes, including income inequality, political instability, and social welfare.
4. apply economic concepts and tools to analyze political phenomena, such as elections, public policy, and international relations.
5. critically assess the role of power, ideology, and interest groups in shaping economic policies and outcomes.
6. identify and evaluate the challenges facing the global economy, including environmental sustainability, technological change, and economic globalization.
7. develop and defend a research argument related to a specific Political Economy topic using empirical evidence and theoretical concepts.
8. communicate effectively and persuasively about Political Economy concepts and research findings through writing and oral presentations.

**Course Contents**

Basic distinguishing features of bourgeois method of analysis and of dialectical method, Historical materialism, Classification of social systems, theory of social classes. Marxist theory of capital accumulation. Surplus value, stages of capitalist development: emergence and advancement of capitalism. Metropolitan and satellite economic relations. The struggle against colonialism and neocolonialism. Stages of socialist development, emergence and advancement of socialism.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-313 Green Economy**

**Learning Outcomes**

At the end of the course, students should be able to:

1. understand the concept of sustainability and its importance in the green economy.

1. familiarize with the principles of circular economy and the importance of waste reduction and resource efficiency.
2. acquire knowledge of renewable energy sources and their role in reducing greenhouse gas emissions.
3. understand sustainable agriculture and the importance of regenerative farming practices.
4. acquire knowledge of sustainable forestry and the importance of responsible management of natural resources.
5. familiarize with sustainable transportation and the importance of reducing emissions from transportation.
6. Understand green finance and the importance of investing in sustainable businesses and projects.
7. have knowledge of green jobs and their potential for economic growth and job creation.
8. familiarize with the role of government policy in promoting the transition to a green economy.
9. Understand the challenges and opportunities in transitioning to a green economy, including the need for social and environmental justice.

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**Course Contents**

Introduction to green economy: Definition, principles and concepts of a green economy, historical and contemporary context. Sustainability and sustainable development: understanding the concept of sustainability, sustainable development and the role of green economy in achieving sustainability, Environmental economics: The economics of natural resources, externalities, market failure and public goods, the valuation of natural resources, and cost-benefit analysis, Sustainable production and consumption: Sustainable production and consumption patterns, green production and services, eco-innovation, and circular economy, Green finance: The role of finance in supporting green economy transition, green investment and financing options, the role of banks and financial institutions, and green bonds, Green energy: Renewable energy systems, energy efficiency, energy policy, and the impact of energy on the environment, Green policies and governance: National and international green policies, environmental regulations, institutional and governance arrangements for green economy, Green entrepreneurship: Green entrepreneurship and innovation, opportunities and challenges, and the role of green business in the transition to a green economy, Case studies: Examples of successful green economy projects, policies, and practices, Future prospects: Future trends and directions for green economy, and potential career opportunities in green economy.

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Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-407 Industrial Economics (2 Units)**

**Learning Outcomes**

At the end of the course, the students should be able to:

1. understand the basic concepts of industrial organization, such as market structure, firm behavior, and industry performance.
2. familiarize with the different market structures, including perfect competition, monopolistic competition, oligopoly, and monopoly, and the ability to analyze the behavior of firms operating in each of these markets.
3. have knowledge of the different theories of firm behavior, such as game theory and strategic behavior, and the ability to apply these theories to real-world situations.
4. understand the various forms of market competition, such as price competition, non-price competition, and advertising.
5. have the ability to analyze and evaluate the impact of market structure and competition on industry performance, including issues such as market power, efficiency, and innovation.
6. familiarize with the role of government in regulating markets and promoting competition, including antitrust policies and regulation of natural monopolies.
7. acquire the ability to apply economic analysis to current issues in industrial organization, such as the impact of digital technologies on market structure and the rise of global competition.

**Course Contents**

Scope, methodology of industrial economics, industrial structure, definitions, problems and measurement, theories of the firm, the growth of the firm, diversification, mergers and innovation, investment economics, risk, and uncertainty, the cost of capital, sources of finance, industrial pricing and marketing, pricing and marketing of public goods, government intervention in industry and public policy, industrial location; industrial practices and policies in Nigeria and factors of fixed investment demand.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-408 Energy Economics (2 Units)**

**Learning Outcomes**

At the end of the course, students should be able to:

1. understand the basic economic principles that apply to energy markets, including supply and demand, price elasticity, and market structure.
2. familiarize with the different types of energy resources and their relative advantages and disadvantages, including renewable and nonrenewable sources.
3. acquire ability to analyze the economics of energy production and consumption, including costs, benefits, and externalities.
4. have knowledge of energy policy and regulation, including government interventions such as taxes, subsidies, and emissions trading schemes.
5. show awareness of the role of energy in global economics, including the impact of energy prices on international trade, economic growth, and development.
6. Understand the environmental and social implications of energy use, including climate change, air pollution, and energy poverty.
7. familiarize with the latest technological advancements in energy production, including renewable energy technologies, energy storage, and smart grids.
8. have ability to critically evaluate energy-related issues and controversies, and to develop evidence-based policy recommendations.
9. acquire knowledge of the energy transition and its implications for energy markets, including the challenges and opportunities presented by decarbonization and the move towards a more sustainable energy system.
10. have the capacity to communicate complex energy economic concepts and analysis to a range of stakeholders, including policymakers, industry leaders, and the wider public.

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**Course Contents**

Organization and structure of the petroleum industry. Historical developments, determination of prices and output, demand and interrelationship among importing and exporting countries; OPEC and other international oil exporting organizations. Issues and prospect of energy consumption and management. Alternative to petroleum energy and contemporary international oil politics.

Bayero University, Kano

Social Sciences

Economics

B.Sc Economics

**BUK-ECO-409 Current National and Global Economic Issues (2 Units)**

**Learning Outcomes**

At the end of the course, students should be able to:

1. understand the key drivers of economic growth and development, and how these vary across countries and regions.
2. analyze the causes and consequences of income inequality, and evaluate different policy options for addressing this issue.
3. identify the major challenges facing global trade and investment, and assess the benefits and drawbacks of different trade policies and agreements.
4. critically evaluate the role of government in regulating markets and promoting economic stability, and understand the strengths and limitations of different economic systems.
5. assess the impact of technological change and automation on labor markets, and explore potential solutions for addressing the resulting economic dislocation.
6. analyze the causes and consequences of climate change, and evaluate different policy options for mitigating its effects and promoting sustainability.
7. understand the implications of demographic changes, such as aging populations and declining birth rates, for economic growth and social welfare.
8. evaluate the potential benefits and challenges of emerging technologies, such as artificial intelligence and blockchain, for economic innovation and productivity.
9. critically evaluate the role of financial institutions and markets in shaping economic outcomes, and understand the potential risks and benefits of different financial instruments and practices.
10. develop a nuanced understanding of the complex interplay between economic factors and social and political dynamics, and be able to analyze and communicate the implications of economic issues for different stakeholders and communities.

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**Course Contents**

Economic Growth and factors that drive economic growth and the challenges faced in sustaining it; Monetary Policy and how central banks set interest rates, control the money supply, and manage inflation; Fiscal Policy and how governments use taxes and spending to influence economic activity and stabilize the economy; International Trade and the benefits and challenges of international trade, trade policies, and trade agreements, Globalization and the effects of globalization on the economy, including the movement of capital, goods, and labor across borders; Income Inequality and the causes and consequences of income inequality and policies to address it, Technological Change and how technological change affects the economy, including the impact on productivity, employment, and income distribution; Environmental Economics and the economic aspects of environmental problems, such as pollution, climate change, and resource depletion; Financial Crises and the causes and consequences of financial crises and the role of government and international institutions in preventing and mitigating them; Economic Development and the challenges and opportunities of economic development, including the role of institutions, infrastructure, and human capital.

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