

# Information Systems

## Introduction

In this internet-of-everything era, positioning of information systems in businesses has changed from secondary needs to primary one. A good investment of technology in a business might give many positive contributions to the company in winning the competitions. Technology couldn't be successfully implemented alone by itself; its implementation should be supported along with a readiness of new business process and also people aspect of the company, which the students will learn about these in the Information Systems study program. In this study program, students will also learn how to supply the business needs with a suitable development, utilization, and investment of information systems.

## Vision

A study program of choice that excels in providing high-level Information systems education is specialized in business-IT, recognized internationally, and champions innovation. We produce graduates with international qualifications.

## Mission

The mission of Information Systems Department is to contribute to the global community through the provision of world-class education by:

1. Nurturing students and lecturers with creative and value-adding talents in Information Systems by creating a suitable environment.
2. Educating students in information systems, covering knowledge and skills in analyzing, designing and implementing information systems for improving business processes and to be able to create an innovative and valuable information systems solution, through intensive learning process, research activities and collaboration with global industries.
3. Providing integrated knowledge to pursue further studies and create outstanding professionals, entrepreneurs, and leaders for a global community.
4. Providing professional services in Information Systems with an emphasis on the application of knowledge to society.
5. Improving the quality of life of Indonesians and the international community through leveraging Information systems solutions.

## Program Objective

The objectives of the program:

1. To provide students with a solid foundation of system development skills and knowledge that they will need as a system analyst.
2. To prepare students with skills and in depth knowledge of information systems related to business intelligence, e-business and strategic information systems.
3. To provide students with the ability to use applied business knowledge for specific industrial purposes.

## Student Outcomes

After completing the study, graduates are:

1. Able to identify and formulate the root cause of information system performance through data and information analysis on business process.

2. Able to identify the needs to build information system.
3. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations.
4. Able to design, create, manipulate and implement computer based information systems for new business model and process.
5. Able to communicate type of information systems development alternative that are in accordance with the business needs of the company and the supporting aspects that are important in its development.
6. Able to communicate solutions of information systems management and utilization for achieving corporate business strategy.
7. Able to solve problems through the inter-discipline approach.

### **Prospective Career of the Graduates**

With the above-mentioned skills and knowledge, the Information Systems graduate is able to follow a career in:

1. Project Manager
2. Applications Development Manager
3. Information Center Manager
4. Operations Manager
5. Emerging Technologies Manager
6. Digital Marketing Manager
7. IS/IT Audit Manager
8. UX Manager
9. System Analyst
10. Business Analyst
11. IS/IT Auditor
12. IS/IT Consultant
13. Applications Programmer
14. Database Administrator
15. Business Process Specialist
16. UX Specialist
17. Webmaster
18. Web Designer

### **Curriculum**

The Information Systems curriculum is designed and referred to the curriculum recommended by ACM and AIS, IS 2002 (Model curriculum and guidelines for undergraduate degree program in Information Systems), IS 2010 (Curriculum guidelines for undergraduate degree program in Information Systems), Computing Curricula 2005 and A Cooperative Project of ACM, AIS, IEEE-CS. In addition, the curriculum has been influenced by foreign universities with a reputation for quality Information Systems Study Programs.

The curriculum on ten semester of:

1. Information Systems, Business Process and Enterprise Systems
2. Database, Information and Knowledge Management
3. Information Systems Analysis and Design
4. Programming, Testing, and Implementation
5. Financial Accounting, Business Fundamentals, Statistics, Research Methodology

**Course Structure**

Sem	Code	Course Name	SCU	Total
1	ACCT6174	Introduction to Financial Accounting	4	16
	ISYS6299	Information System Concept	4	
	ISYS6300	Business Process Fundamental	4	
	COMP6598	Introduction to Programming	4	
2	CHAR6019	Character Building: Pancasila	2	14
	ISYS6505	Information System Development	4	
	ISYS6305	Enterprise System	4	
	MGMT6072	Introduction to Management and Business	4	
3	CHAR6020	Character Building: Kewarganegaraan	2	16
	ISYS6506	Information Systems Analysis and Design	6	
	ISYS6310	Information Systems Project Management	4	
	ISYS6318	E-Business Concept	4	
4	ISYS6507	Testing and System Implementation	4	14
	ISYS6513	Database System and Management	6	
	ISYS6509	User Experience	4	
5	CHAR6021	Character Building: Agama	2	14
	LANG6031	Indonesian	2	
	ENTR6081	Entrepreneurship	4	
	ISYS6514	Business Application Development	6	
6	STAT6145	Business Statistics	6	14
	ISYS6319	Knowledge Management	4	
	ISYS6515	Research Methods in Information Systems	4	
7	ISYS6313	Analytical Information System	4	16
	ISYS6320	Social Informatics	4	
	ISYS6317	Business Process Management	4	
	ISYS6516	Information System Security	4	
8	<b>Minor Program</b>		16	16
9	ISYS6332	Data Warehouse	4	16
	ISYS6316	Enterprise Architecture	4	
	ISYS6312	IS Strategy, Management and Acquisition	4	
	ISYS6517	Advanced Topics in Information Systems	4	
10	ENGL6163	English Professional	4	10
	ISYS6327	Thesis	6	
			<b>Total Credit 146 SCU</b>	

**Minor Program (8<sup>th</sup> Semester):**

-) Student will take one of minor program track. See minor scheme for the tracks detail.

### Minor Track Scheme

Track	1 <sup>st</sup> Period				2 <sup>nd</sup> Period			
	BM	AF	IS	CS	BM	AF	IS	CS
1.	V	-	-	-	V	-	-	-
2.	-	-	-	V	-	-	-	V

Notes:

BM : Business Management Minor Program  
 AF : Accounting and Finance Minor Program  
 IS : Information Systems Minor Program  
 CS : Computer Science Minor Program

Notes:

Student will take one of Minor Program tracks

### Minor Program Track

Code	Course Name	SCU	Total
<b>Minor Program 1<sup>st</sup> Period</b>			8
ISYS6519	Introduction to Business Process	4	
ISYS6520	E-Business Analyze and Design	4	
<b>Minor Program 2<sup>nd</sup> Period</b>			8
ISYS6521	Knowledge Management Fundamentals	4	
ISYS6522	IS Project Management Planning	4	

**Notes:**

- This minor program only available for distance learning program
- This minor program will be taken by Accounting and Finance Distance learning program and Business Management Distance Learning Program

### Students should pass all of these quality controlled courses as listed below:

No	Code	Subject	Grade minimal
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	ISYS6305	Enterprise Systems	C
4	ISYS6310	Information Systems Project Management	C
5	ISYS6506	Information Systems Analysis and Design	C
6	ISYS6513	Database System and Management	C
7	ISYS6320	Social Informatics	C
8	ISYS6316	Enterprise Architecture	C

### Course Description

**SUBJECT AREA: ACCT**

#### ACCT6174 - INTRODUCTION TO FINANCIAL ACCOUNTING (4 Credits)

**Learning Outcomes:** Explain the accounting concepts and principles as a basis in the preparation of financial statements, and explain the stages in the accounting cycle; Identify the operations of merchandising company and the accounting cycle for merchandising company; Explain the concept and methods relating to inventories, cash, accounts receivable, liabilities, and equity of a company; Analyse the company's financial condition by using the information in cash flow statement; Analyse the information stated in the Financial Statement.

**Topics:** Accounting in Action and The Recording Process, Adjusting The Accounts, Completing The Accounting Cycle, Accounting for Merchandising Operations, Inventories, Fraud, Internal Control, Cash and Accounting for

Receivables, Liabilities, Corporations: Organization, Share Transactions, Dividends, and Retained Earnings, Statement of Cash Flows, Financial Statement Analysis.

**SUBJECT AREA: CHAR**

**CHAR6019 – CHARACTER BUILDING: PANCASILA (2 CREDITS)**

**Learning Outcomes:** Explain Pancasila as the basis and the state ideology, Apply the values of Pancasila in action concerns, Analyze the ethical issues in developing science and technology, Analyze the issues of faith in God and tolerance in diversity, Analyze the problems of Pancasila democracy and justice.

**Topics:** Pancasila Education as Character Education, Pancasila as the State Ideology, Pancasila as the Ethical Basis in Developing Science and Technology, Faith in God, Just and Civilized Humanity, Human Rights, Multiculturalism, Cultures Interaction, Democratic Leadership, Social Justice.

**CHAR6020 – CHARACTER BUILDING: KEWARGANEGARAAN (2 Credits)**

**Learning Outcomes:** Explain the meaning of citizens, Explain the meaning of constitution, Explain the meaning of rights and obligation of citizen, Analyze the relation of Archipelago, social conflict and national integration, Describe the nature of national resilience, identity of Indonesia and nationalism, Describe how to participate in global citizen.

**Topics:** Introduction to Civics Education, The Others as Fellow Citizens, State and Constitution, The Rights of Citizens, The Archipelago of Indonesia, Diversity and Social Conflict, National Resilience, National Identity of Indonesia, Nationalism, Participation In Global Citizen.

**CHAR6021 - CHARACTER BUILDING: AGAMA (2 Credits)**

**Learning Outcomes:** Explain the nature of religions, Explain the knowledge of God through nature and human being, Explain the roles of religions for the world peace, Explain the conscience and the criticism to the religious formalism, Describe the influence of secularism to the religion, Apply the values of religion in the daily life.

**Topics:** Introduction to the CB Religion, Recognizing God by Nature, Recognizing God by Human Being, The Role of Religion for World Peace, Conscience, Criticism to the Religious Formalism, Religion and Secularism, Humble and Forgiving, Being a Religious Person, The Religious Meaning of Work.

**SUBJECT AREA: COMP**

**COMP6598 - INTRODUCTION TO PROGRAMMING (4 Credits)**

**Learning Outcomes:** Design and apply the right algorithms to solve problem, Understanding the basic of Java programming, Apply Java in solving problem, Apply basic sorting algorithms in solving problem, Understanding object oriented concept in Java.

**Topics:** Introduction to Algorithm and Java Programming, Elementary Programming (Data Type and Input / Output), Elementary Programming (Operators), Selection, Repetition and Jump Operation, Exception Handling, Methods, Array, Sorting, Introduction to Object Oriented.

**SUBJECT AREA: ENGL**

**ENGL6163 – ENGLISH PROFESIONAL (4 Credits)**

**Learning Outcomes:** Demonstrate The Intermediate-level Academic English Listening skills of Basic Comprehension, Pragmatic standing, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 15 of scale 30), Demonstrate The Intermediate-level Academic English Reading skills in Finding Information, Basic Comprehension, and Reading to Learn (a minimum of iBT TOEFL Reading scaled score of 15 of scale 30), Demonstrate The Intermediate-level Business English speaking skills in terms of Delivery, Clarity and Appropriacy (a minimum of BINUS English Speaking scaled score of 15 of scale 30), Demonstrate The

Intermediate-level Academic English writing skills in terms of Introduction, Middle and Conclusion (a minimum of BINUS English Writing scaled score of 15 of scale 30).

**Topics:** Basic Comprehension, Vocabulary/Reference, Error Correction, Pragmatic Understanding & International Marketing, Error Connection & Risk, Details & Inferences, Connecting Information & Essay Writing, Error Correction & takeovers/mergers, Error Correction and Crisis Management, Inferences & Reading to learn.

**SUBJECT AREA: ENTR**

**ENTR6081 – ENTREPRENEURSHIP (4 Credits)**

**Learning Outcomes:** Identify personality of entrepreneurs and innovative business idea, Analyze business model and business model environment, Generate the nature of entrepreneurship and the management of own project, Categorize the business model of the business, Construct the business plan of new business.

**Topics:** Entrepreneurship and The Personality of Entrepreneurship, Market Overview, Idea Generation and Business Model, Customer Insight and Developing Value Proposition and How to Get In Touch with Customer, Recognizing Business Keys and the Financial Aspects of the Business, Dealing with Expo and Market Segmentation, Personalized Your Business No-Redefining the Business Model, Defining the Core of the Business – Case Study: Market, Mapping the Sales Proces – Case Study: Value Proposition, Designing the Business Model and Identifying the Key Assumptions, How to Develop Product Plan and Product Design, Evaluating Business Model and Organizing the Business.

**SUBJECT AREA: ISYS**

**ISYS6299 - INFORMATION SYSTEM CONCEPT (4 Credits)**

**Learning Outcomes:** Define the basic concepts of information systems; Explain the concepts of information system development; Illustrate the application of information systems in the business world.

**Topics:** Introduction to Information Systems, Organizational Strategy, Competitive Advantage, and Inf. Systems, Ethics and Privacy, Information Security, Data and Knowledge Management, Telecommunications and Networking, E-Business and E-Commerce, Wireless, Mobile Computing and Mobile Commerce, Social Computing, Information Systems within the Organization, CRM and SCM, Business Analytics, Acquiring Information Systems and Applications, Hardware and Software, Cloud Computing, Intelligent Systems.

**ISYS6300 - BUSINESS PROCESS FUNDAMENTAL (4 Credits)**

**Learning Outcomes:** Explain the concept of the organization include: core business, business strategy, business functions, customers, suppliers, partners and business process; Describe the relationship of business processes and business activities, operating events, information events and decision/management events, and REA modeling; Design the DFD, ERD and database models by using REA model approach; Implement the DFD and system flowchart to the revenue cycle, expenditure cycle, the production cycle, HRD cycle and general ledger and financial reporting; Elaborate the integration of functional IT applications in an enterprise.

**Topics:** Business Processes, Database Concept II, System Documentation, The Revenue Cycle, Internal Controls II, The Expenditure Cycle, The Production Cycle, The General Ledger and Financial Reporting Cycle, The HR Management and Payroll Cycle, Systems Development.

**ISYS6305 - ENTERPRISE SYSTEM (4 Credits)**

**Learning Outcomes:** Explain the technical foundation of ERP systems and understand the implementation process; Explain information on the ERP development life cycle, the process of selecting software and vendors, how to manage an ERP implementation project, and how to understand the concept of metrics and evaluation in an organization; Analyze the issues dealing with people and organizational change, business process reengineering, change management, operational and post-implementation activities, and the role of ethics and

globalization; Analyze to integrate the two other enterprise-level applications, Supply Chain Management, and Customer Resource Management with ERP systems.

**Topics:** Overview Part 1, Systems Integration, Enterprise Systems Architecture, Development Life Cycle, Implementation Strategies And Vendor Selection, Operations and Post-implementation, Program and Project Management, Organizational Change and Business Process Reengineering, Global, Ethics, and Security Management, Supply Chain Management, Customer Relationship Management.

#### **ISYS6310 - INFORMATION SYSTEMS PROJECT MANAGEMENT (4 Credits)**

**Learning Outcomes:** Explain the need of project management; Plan the steps for project management; Identify problems that faced in project management; Utilize tools in preparing project Management; Calculate the cost, time and resources in project management.

**Topics:** An Overview of IT Project Management, The Business Case, The Project Charter, The Project Team, The Scope Management Plan, The Work Breakdown Structure, The Project's Schedule and Budget, The Risk Management Plan, The Project Communication Plan, The IT Project Quality Plan.

#### **ISYS6312 – INFORMATION SYSTEM STRATEGY, MANAGEMENT AND ACQUISITION (4 Credits)**

**Learning Outcomes:** Understand the key strategic issues on IS Strategy Management, Explain the key strategic issues on IS Strategy Management, Analyze related aspects of IS Strategy Management on business cases, Implement key aspects of IS Strategy Management on real business cases.

**Topics:** The Information Systems Strategy Triangle, Strategic Use of Information Resources, Organizational Strategy and Information System, Information System and the Design of Work, Information System for Managing Business Processes, Architecture and Infrastructure, Information Systems Sourcing, The Business of IT, Governance of The Information System Organization, Knowledge Management.

#### **ISYS6313 - ANALYTICAL INFORMATION SYSTEM (4 Credits)**

**Learning Outcomes:** Understand and able to explain the concepts of analytical information system; Understand and able to explain the concept of business analytics, techniques, types of analytics, analytics tools and its application cases; Understand and able to explain the concept of descriptive, diagnostic, predictive and prescriptive analytics. Analyze the differentiation between those types of analytics; Understand, explain, analyze, design and execute the concepts of analytics implementation and governance; Understand, explain, analyze and implement the concept of advanced analytics system and big data analytics.

**Topics:** Introduction to Analytical Information System, Analytics, Analysis and Information Continuum, Business Analytics and Its Tools, Descriptive, Diagnostic, Predictive and Prescriptive Analytics, Analytics Design, Analytics Governance, Analytics Implementation I, Analytics Implementation II, Real Time Analytics, Big Data, Hadoop and Cloud Computing.

#### **ISYS6316 - ENTERPRISE ARCHITECTURE (4 Credits)**

**Learning Outcomes:** Describe how EA helps integrate strategy, business, and technology; Demonstrate to design of the EA Cube Framework; Use the purpose of summaries of the current and future architecture; Demonstrate to design enterprise architecture management plan.

**Topics:** An Overview of EA, The Structure and Culture of Enterprise, The Value and Risk of Creating an EA, The Implementation Methodology, Enterprise Architecture Artifacts, The Analysis and Documentation Framework, The Components and Artifacts, Developing Current Architecture Views, Developing Future Architecture Views, Developing an Enterprise Architecture Management Plan.

#### **ISYS6317 - BUSINESS PROCESS MANAGEMENT (4 Credits)**

**Learning Outcomes:** Explain concept of business process management and architecture; Identify activities for each phases in BPM Framework; Propose the outputs for each phases in BPM Framework.

**Topics:** Overview of Business Process Management, 7FE Framework Overview, Foundations Phase, Enablement Phase, Launch Pad Phase, Understand Phase, Innovate Phase, People Phase, Develop Phase & Implement Phase, Realize Value Phase & Sustainable Performance Phase.

#### **ISYS6318 - E-BUSINESS CONCEPT (4 Credits)**

**Learning Outcomes:** Explain the concept of e-Business, Describes the development context of e-Business, Explain aspects of e-business, technology and infrastructure, such as e-Business Platform server, Describes e-Business solutions Package.

**Topics:** Introduction to E-business, Evolution of e-Business, E-Business Development, Forwardness Organization / Company for e-Business, Framework for e-Business Infrastructure and e-Business Strategy, Market for e-Business, ERP (Enterprise Resource Planning), SCM (Supply Chain Management) and E-SCM, CRM (Customer Relationship Management) and E-CRM, EI (Enterprise Application).

#### **ISYS6319 – KNOWLEDGE MANAGEMENT (4 Credits)**

**Learning Outcomes:** Implement the knowledge management process, models, and applications, Organizing the knowledge management strategy, tools technology and planning in organization, Evaluate KM situations in order to make recommendations on KM implementation.

**Topics:** Introduction to Knowledge Management, Knowledge Management Process, Knowledge Management Models, Knowledge Capture and Codification, Knowledge Sharing, Finding Knowledge, Organization Culture, Knowledge Management Tools, Evaluating Knowledge Management, The Knowledge management Team.

#### **ISYS6320 – SOCIAL INFORMATICS (4 Credits)**

**Learning Outcomes:** Describe the Social Media and Social Behavior Change, Analyzing Business Model with Social Media, and Communication for Development, Demonstrate Using Digital and Social Media.

**Topics:** Understanding Social Media and Social Behavior Change, Establishing Community, Mobilizing Your Audience & Active Within Structures, Best Practice For Social Media Engagement, Social Media Business Models, Social Media Marketing Strategies, Social Media and Health Campaigns, Communication for Development, Integrating Old with New & The Future of Social Media, Social Media for Social Behavior Change & Arguing for a General Framework for Social Media Scholarship.

#### **ISYS6327 – THESIS (6 Credits)**

**Learning Outcomes:** Define the research problems, purpose and scope of research; Define the basic theories and concepts of information systems; Analyze the needs of data and requirements of problems; Design a proposed solutions for the problems.

**Topics:** Outlines Discussion, Theories Review, Current Condition Analysis and Data Gathering.

#### **ISYS6332 - DATA WAREHOUSE (4 Credits)**

**Learning Outcomes:** Identify the basic concepts, components and architecture of data warehouse; Explain the requirements and how to design data warehouse; Describe the advantages of data warehouse utilization; Analyze data warehouse design and implementation strategy and the reason why data warehouse is the suitable solution.

**Topics:** Evaluation of Decision Support Systems, The Data Warehouse Environment, The Data Warehouse and Design, Granularity in the Data Warehouse, The Data warehouse and Technology, The Distributed Data Warehouse, External/Unstructured Data and the Data Warehouse, Migration to the Architected Environment, EIS, ERP, Data Warehouse, and the Web, Data Warehouse Design and Building Review.



**ISYS6505 - INFORMATION SYSTEM DEVELOPMENT (4 Credits)**

**Learning Outcomes:** Explain the Software Engineering and Create the Software Process, Design the Requirements Modeling and User Interface Design, Create the Software Testing and Management Software Project, Create the Risk Management and Advance Topic.

**Topics:** Introduction to Software Engineering, Software Process, Requirement, User Interface Design, Quality Management

**ISYS6506 - INFORMATION SYSTEMS ANALYSIS AND DESIGN (6 Credits)**

**Learning Outcomes:** Understand the systems analysis and design activities in various information systems development methodology, Apply the techniques and methods for gathering user requirements, Model the requirements analysis, Model the requirements design, Propose a system analysis and design documentation to solve business problems.

**Topics:** Introduction to Systems Analysis and Design, Requirements Determination, Business Process and Functional Modeling, Structural Modeling, Behavioral Modeling, Moving on to Design, Class and Method Design, Data Management Layer Design, Human-Computer Interaction Layer Design, Physical Architecture Layer Design.

**ISYS6507 - TESTING AND SYSTEM IMPLEMENTATION (4 Credits)**

**Learning Outcomes:** Explain Testing Foundation and concept of testing, Design the testing management plans for software, Reporting for the result testing software, Design the software implementation plan.

**Topics:** Process Models, Testing Type (Testing level), Management Organization Test, Distributing a Test Project, Stocking and Managing a Test Lab, The Test Plan, Test Design Technique, Bug Management, Template and Models in Test Management, Implementation.

**ISYS6509 - USER EXPERIENCE (4 Credits)**

**Learning Outcomes:** Understand basic concept of User Experience, Analyze the requirement based on needs business research and user research, Apply design principles of User Experience, Create the User Experience for various application, based on the design delivered through visual and interaction of user interface.

**Topics:** Introduction to UX, Project Approach, Business Requirement, User Research, Persona, Content Strategy and Transition, Design Principles and Site Map, Wireframes and Annotation, Design testing.

**ISYS6513 - DATABASE SYSTEM AND MANAGEMENT (6 Credits)**

**Learning Outcomes:** Identify, concept, terminology and needs of Database System, Design conceptual database, Construct SQL that suit with the problem, Propose a database solution for business problems, Describe concepts of Data Warehouse and Data Mining.

**Topics:** Introduction to Database & Environment, Database System Development Lifecycle, Relational Model and Relational Algebra, Entity Relational Model & Enhanced, Normalization, SQL: Data Definition, SQL: Data Manipulation, Web technology and DBMSs, Security and Administration, Data Warehousing Concept and Data Mining.

**ISYS6514 - BUSINESS APPLICATION DEVELOPMENT (6 Credits)**

**Learning Outcomes:** Implement OO concepts:encapsulation, inheritance, polymorphism, interfaces, abstract classes, Use data structure, file I/O and handle exceptions, Develop graphical user interfaces, Develop database application.

**Topics:** String Manipulation, Array Data Processing, Date Time Formating, Working with Methods, File management.

**ISYS6515 – RESEARCH METHODS IN INFORMATION SYSTEMS (4 Credits)**

**Learning Outcomes:** Understanding of basic knowledge to support the research in information systems, Analyze and conclude the output of data processing to support research conclusions, Demonstrate research in information systems by using appropriate methods and approaches, Justify the chosen research design for the research proposal, explaining procedures for data collection, proposed data analysis, and limitations of your proposed study.

**Topics:** Introduction to Research in Information System, The scientific approach and alternative approaches to investigation, Defining and refining the problem, The critical literature reviews, Theoretical framework and hypothesis development, Elements of research design, Data collection methods, Experimental designs, Measurement of variables: Operational definition, Quantitative and Qualitative data analysis.

**SUBJECT AREA: LANG**

**LANG6031 – INDONESIAN (2 Credits)**

**Learning Outcomes:** Mengidentifikasi kesalahan diksi dan ejaan dalam kalimat, Membuat paragraf akademik dengan diksi dan kalimat efektif, Menyusun karangan ilmiah sederhana.

**Topics:** Arti dan Fungsi Bahasa, Sejarah, Perkembangan, Fungsi dan Kedudukan Bahasa Indonesia, Ragam Bahasa, Ejaan Yang Disempurnakan (EYD), Diksi dan Definisi, Kalimat Efektif, Paragraf Akademik, Jenis dan Sistematika Karangan ilmiah, Teknik Pengutipan dan Penulisan Sumber Referensi, Presentasi Ilmiah.

**SUBJECT AREA: MGMT**

**MGMT6072 - INTRODUCTION TO MANAGEMENT AND BUSINESS (4 Credits)**

**Learning Outcomes:** Describe the principles of management, doing and managing business in a global environment, making decisions, business environment, economic condition, social responsibility in business and basic forms of business ownership; Explain challenges for the global manager, the decision making process, setting goals and plans, competitive strategies and mechanistic and organic structure, production processes, marketing and financial management; Analyze goals and plans, the strategic management process, contemporary organizational design, the changing workplace, group development, and current issues in motivation, leadership, type of control, marketing mix and financial management; Apply innovation process, workplace diversity, effective teams and interpersonal communication, contemporary theories of motivation and leadership and tools for measuring organizational, different markets, financial planning and function of securities markets.

**Topics:** Foundations of Management and Organization in Global Management, Foundations of Planning and Strategic Management, Foundations and Contemporary of Organizational Design and Change and Innovation, Leadership and Motivation, Communication and Foundations of Control, Understanding How Economics Affects Business and Socially Responsibility Behavior, How a Form A Business and Entrepreneurship Starting a Small Business, Production and Operations Management, Marketing: Helping Buyer Buy, Financial Management.

**SUBJECT AREA: STAT**

**STAT6145 - BUSINESS STATISTICS (6 Credits)**

**Learning Outcomes:** Identify the concept of statistics, Apply regression model for statistical problems, Use statistical inference for statistical problems.

**Topics:** Data and Statistics, Probability, Sampling and Interval estimation, Classical Assumption, Hypothesis Tests, Simple Linear Regression, Multiple Regression, Comparing Multiple Proportions, Test of Independence and Goodness of Fit, Experimental Design and Analysis of Variance, Nonparametric Methods.