



**Uni** **KL**

UNIVERSITI  
KUALA LUMPUR

Malaysian Institute of Aviation Technology



***Subject's offered for Bachelor of Aviation Management***

**Semester 1**

<b>Subject Code &amp; Title</b>	<b>ABB10703 – Applied Statistics</b>
Synopsis	This module introduces statistical concepts, definitions and formulas to enable the application of statistics in aviation management practices. Understanding and applying the statistical processes of collecting, organizing, summarizing and analysis of data in making informed decisions is crucial in today's business success.

<b>Subject Code &amp; Title</b>	<b>ABB10102 – Introduction to Air Transport and Aviation Industry</b>
Synopsis	This module describes the evolution of the evaluation of the aviation industry; the contributions of air transportation to the country's economy and the how air transportation has made globalization possible.

<b>Subject Code &amp; Title</b>	<b>ABB10203 – Principles of Management</b>
Synopsis	The field of management is undergoing a revolution. The traditional paradigm assumes the purpose of management is to control and limit people, seek stability and efficiency, use rules and regulations, design a top down hierarchy to direct people, and achieve bottom line (profit) results.

<b>Subject Code &amp; Title</b>	<b>ABB10203 – Principles of Logistics</b>
Synopsis	Logistics is an important business activity. This subject is an introduction to the concepts of logistics. This will make students understand better when they study major subjects like Air Freight Logistics, Warehouse Management and Air Cargo Operation Management.



<b>Subject Code &amp; Title</b>	<b>WEB10302 – Fundamental English</b>
Synopsis	<p>This course aims to improve students' ability as language learners. This course will equip students with important reading skills (suffixes, prefixes, contextual clues and dictionary skills). Apart from that, students will also be exposed to basic sentence structures (simple, compound and complex) and identify basic sentence errors (fragments, dangling modifiers etc). As a final assessment, they will be required to prepare an article review based on the text they have chosen. During this final assessment, they will utilize reading and writing skills taught at the initial stage. They will also present their opinions and suggestions on their article review using appropriate and effective presentation techniques taught in class.</p>

<b>Subject Code &amp; Title</b>	<b>MPU3123 – Tamadun Islam &amp; Tamadun Asia</b>
Synopsis	<p>Kursus ini membincangkan tentang ilmu ketamadunan yang mencakupi pengenalan ilmu ketamadunan, interaksi antara pelbagai tamadun Melayu, Cina dan India. Islam dalam Tamadun Melayu, isu-isu kontemporari Tamadun Islam dan Tamadun Asia, Islam Hadhari dan proses pembangunan Negara. Objektif mata pelajaran ini ialah untuk memperkenalkan kepada pelajar tentang ilmu ketamadunan yang mencakupi pengenalan ilmu ketamadunan, interaksi antara pelbagai tamadun, isu-isu kontemporari dan implikasinya kepada proses pembangunan Negara di samping melahirkan pelajar yang mempunyai sikap hormat-menghormati, mengamalkan nilai-nilai murni dan mempunyai jati diri sebagai warganegara.</p>

<b>Subject Code &amp; Title</b>	<b>MPU3143 – Bahasa Melayu Komunikasi 2</b>
Synopsis	<p>Kursus ini membolehkan pelajar berkomunikasi dalam Bahasa Melayu secara betul dan berkesan dalam pelbagai situasi formal dan tidak formal menggunakan aktiviti-aktiviti interaktif untuk meningkatkan kemahiran pelajar berkomunikasi, khususnya dalam kemahiran lisan dan mendengar.</p>



<b>Subject Code &amp; Title</b>	<b>MPU3343 – Culture and Lifestyle in Malaysia</b>
Synopsis	This module focuses on equipping students with appropriate understanding of Malaysian culture and lifestyle. It will be divided into five major topics; background of Malaysian society; local and national moral values; local and national social culture; traditional and local arts; as well as celebrations and festivals.

<b>Subject Code &amp; Title</b>	<b>MPU3333 – Isu-isu Kontemporari Muslim di Malaysia</b>
Synopsis	Kursus ini memberikan pengetahuan berkaitan isu-isu kontemporari yang melingkari masyarakat Islam di Malaysia. Sejarah dan perkembangan Islam, ideology dan fahaman yang mempengaruhi umat Islam, salah faham terhadap Islam, kepenggunaan, institusi keluarga dan masyarakat, sains dan teknologi serta masa depan Islam diperjelaskan dengan sandaran dalil, wahyu dan reality semasa.

<b>Subject Code &amp; Title</b>	<b>MPU3472 – Sports Management 2</b>
Synopsis	This course enables students to enhance their understanding and skill in respective sports in terms of game technique, rules, ruling and other aspects which are pertinent to the process of organizing sports competition. This course also aims to instill discipline among the students.

<b>Subject Code &amp; Title</b>	<b>MPU3462 – Siswa-siswi Pertahanan Awam 2</b>
Synopsis	This course aims to enable students to understand the roles and functions of the Malaysian Civil Department and apply the knowledge of emergency aid as well as the foot marching technique. Apart from that, students will be exposed to the planning and implementation of rescue, first aid and rescue activities.



<b>Subject Code &amp; Title</b>	<b>MPU3412 – Career Guidance 2</b>
Synopsis	This module will assist students in identifying their personality traits and their future career options. Besides that, it also helps students to enhance their competency in soft skills for future career planning.

<b>Subject Code &amp; Title</b>	<b>MPU3422 – Community Service 2</b>
Synopsis	This course provides opportunities for the students to enhance their skills in planning, organizing and implementing community service programmes and activities. This course also helps to build towering personalities amongst the students as they become more sensitive towards the environment, other individuals or groups in a community.

<b>Subject Code &amp; Title</b>	<b>MPU3442 – Rakan Masjid 2</b>
Synopsis	This course gives exposure on various significant events in Islam and provides opportunity to organize activities in relation to the events. This course also explores the provision of counseling service in Islam and the exposure on various Islamic institutions in Malaysia.

<b>Subject Code &amp; Title</b>	<b>WMD10101 – Mandarin 1</b>
Synopsis	This course provides the understanding of Chinese phonetics, Chinese characters, social greetings and expressions; introducing oneself and family members; describing calendar and time, telephone conversation, food and drinks, colours; as well as expressing preferences, and likes or dislikes.



## **Semester 2**

<b>Subject Code &amp; Title</b>	<b>ABB10603 – Principles of Economics</b>
Synopsis	To provide with knowledge on understanding system and procedure of economics and the philosophies of macroeconomic, micro economics and international trade base on the role and regulation government economic policy and role economics international trade.

<b>Subject Code &amp; Title</b>	<b>ABB10803 – Principles of Management Information System</b>
Synopsis	This module provides information to students on the organization structure of MIS. It also includes the technical foundation of Information System; contemporary approach to building Information System; Management and Organizational Support System

<b>Subject Code &amp; Title</b>	<b>ABB11002 – Principles of Accounting &amp; Finance</b>
Synopsis	Accounting and Finance is the essential ingredients of management. This knowledge in accounting and finance will assist students to plan, prepare and apply them in their jobs. The subject comprises of Financial Accounting and Management Accounting relevant topics that will assist students in understanding Accounting and Finance subjects.

<b>Subject Code &amp; Title</b>	<b>ABB11102 – Law of Contract</b>
Synopsis	This course introduces the students to the fundamental principles of law involved in business transactions relating to contract, agency, partnership, sale of goods, hire purchase, insurance and negotiable instruments.



<b>Subject Code &amp; Title</b>	<b>WEB20202 – Professional English 1</b>
Synopsis	This module covers the important aspects of workplace communication. Students will first be introduced to business correspondence which covers several important workplace communication tasks like writing business letters, proposals, memos, e-mails & faxes. This module will also expose students to effective meeting skills, and also job hunting skills.

<b>Subject Code &amp; Title</b>	<b>ABB10302 – Principles of Marketing</b>
Synopsis	The subject will be introduce students to the understanding of Marketing Concept & Management, Marketing Planning & Control, Marketing Environment, Marketing Research, Consumer & Business Buying Behaviour, Market Segmentation, Marketing Mix (Product, Price, Promotional Mix & International Marketing) in the Aviation industry.

<b>Subject Code &amp; Title</b>	<b>ABB10502 – Business Ethics</b>
Synopsis	This module is organized to expose the important ethical and moral issues that arise in various business contexts. It covers many important topics including moral philosophy and business, roles of business and society, stakeholders' analysis, the basic issues and today's challenges in the workplace, corporate responsibility, and moral choices facing the employees, business and the environment.

<b>Subject Code &amp; Title</b>	<b>WMD10201 – Mandarin 2</b>
Synopsis	This course provides the understanding in using Chinese dictionary; describing parts of body, things in the house, things in the office, animals, direction, location, transportation, purchasing, occupations; expressing opinion and emotion, as well as writing basic Chinese characters and sentences.



### **Semester 3**

<b>Subject Code &amp; Title</b>	<b>ABB20104 – Air Transport Policy</b>
Synopsis	The Air Transportation industry is a highly regulated in terms of its operations and commercial activities. Since the USA Government deregulate the air services in 1978, the global air transportation industry opened up many restrictions. This indicates that Governments play an important role to ensure a competitive business environment which is safe, secure and environmentally friendly. But then there are also the negative aspects of being to overly commercialize at the expense of the decline in social services. Therefore someone needs to set some rules and regulations in the air transportation operations to make it more socially responsible.

<b>Subject Code &amp; Title</b>	<b>ABB20204 – Aviation Economics</b>
Synopsis	Airline industry has long been practicing oligopolistic market structure, and characterized by high barriers to entry for new comers. These characteristics include substantial economy of scale; growth through mergers; mutual dependence and price rigidity and nonprice competition. Close understanding of airlines economics characteristics will expose students to understand the airline economy better. Today, most airports run as business entities. Understanding airport cost structures and factors influencing these costs are important to airport operators to manage profitable ventures.

<b>Subject Code &amp; Title</b>	<b>ABB20404 – Aviation Regulations</b>
Synopsis	This module is designed to assist undergraduates to understand that there is more to aviation law than the national aviation regulations. It is intended, as well, to provide undergraduates with basic knowledge and perspective to understand how the legal system works in relationship to civil aviation activities, and to help them recognize and avoid common legal pitfalls.





<b>Subject Code &amp; Title</b>	<b>WEB20302 – Professional English 2</b>
Synopsis	<p>This module focuses on equipping students with appropriate technical communication skills and skills in writing a technical report. Students will embark on a technical writing project where they will be exposed to the proper method in writing a technical report. Students will be exposed to the industry and they will be required to contact a particular person related to the topic chosen. Once the person is identified, students will be required to correspond with him/her formally where students will need to set a meeting to interview the person whom they have chosen.</p>

<b>Subject Code &amp; Title</b>	<b>MPU3113 – Hubungan Etnik</b>
Synopsis	<p>Kursus ini memfokuskan perbincangan tentang hubungan etnik di Malaysia yang mana ianya merupakan proses hubungan social yang dinamik. Tujuan kursus ini adalah untuk meningkatkan pemahaman pelajar-pelajar tentang konsep kesepaduan social, potret hubungan etnik, konsep-konsep asas hubungan etnik, plurality dan masyarakat pluralistic di Malaysia, pembangunan politik, pembangunan ekonomi dan perlembagaan Malaysia dalam konteks hubungan etnik di Malaysia, integrasi dan menangani cabaran, agama dan masyarakat, sumbangan kerajaan dan masyarakat inter-etnik dan intra-etnik. Objektif matapelajaran ini adalah untuk meningkatkan pemahaman pelajar-pelajar tentang konsep kesepaduan social, potret hubungan etnik, konsep-konsep asas hubungan etnik, plurality dan masyarakat pluralistic. Pelajar juga didedahkan dengan konsep pembangunan politik, ekonomi dan perlembagaan dalam konteks hubungan etnik di Malaysia.</p>

<b>Subject Code &amp; Title</b>	<b>MPU3173 – Pengajian Malaysia 3</b>
Synopsis	<p>This course entitled for Internationals Student degree intake. This course are divided into 5(FIVE) major topic; The History of Malaysians Independence, The System and Structure of Malaysia's Administration, Malaysia Constitution and Current Issue.</p>



<b>Subject Code &amp; Title</b>	<b>ABB20303 – Human Factors In Aviation</b>
Synopsis	<p>This module aims at providing student/delegate with a strong appreciation of the human factors that may impinge on the performance ability and limitations of personnel, rendering them less able to carry out their work and attain the levels of safety required. This module covers many important topics, including models or framework to aid the understanding of human factors issues, the social context in which humans work, essential elements in effective communication, the implication of violations, non-compliance with procedures and key elements for the establishment of error management programme, and lastly, professionalism and integrity, and safety culture as a fundamental value of an organisation</p>



#### **Semester 4**

<b>Subject Code &amp; Title</b>	<b>ABB10902 – Human Resource Management</b>
Synopsis	This module is organized to expose the theoretical and practical aspects of human resource management with focus on aviation industry in practice which include manpower planning, reward system, performance management, labour relation, as well as ethics issues in the human resource practices.

<b>Subject Code &amp; Title</b>	<b>ABB20704 – Aviation Marketing</b>
Synopsis	The subject will introduce students to the marketing processes such as reservation personnel, ticket and customer services agents, baggage handlers, flight attendants, catering personnel, besides passengers and cargo sales representatives

<b>Subject Code &amp; Title</b>	<b>ABB20504 – Aviation Finance</b>
Synopsis	Students will be exposed to airline and airport financials, both cost and revenue. They will also be exposed to all financial planning and statements significantly for the airline operations.

<b>Subject Code &amp; Title</b>	<b>ABB20604 – Air Transport Planning</b>
Synopsis	This module aims to provide a firm understanding on the fundamental principles of air transport planning and processes. The students are also able to design and conduct air transportation surveys prior to planning. The development of four-step air transport planning models is also understood by appreciating the calibration and validation process of air transportation models to be used in the future air travel forecast.



<b>Subject Code &amp; Title</b>	<b>ABB20803 – Aviation Security &amp; Safety</b>
Synopsis	Airport security and safety are the most important issues in the aviation industry. These are top priority issues in this industry. Understanding these issues and implementing security and safety procedures would reduce threat on aircraft, crew and passengers and make air travel safer.

<b>Subject Code &amp; Title</b>	<b>MPU3232 – Technopreneurship</b>
Synopsis	The module will enhance student's knowledge and skills in business planning, financial management, business operations and marketing. The focus will be on attributes of Technopreneurs, searching for viable opportunities, taking into considerations the trends and new challenges in the business world; and gathering the resources necessary to convert a viable opportunity into a successful business.



### **Semester 5**

<b>Subject Code &amp; Title</b>	<b>ABB30103 – Air Freight Logistics</b>
Synopsis	Air Freight Logistics has gain importance in recent years especially in the Asia Pacific region. This is a very high growth market especially with the economic growth in the China and Indian subcontinent regions. Air Freight involves special knowledge and skills. Customers’ expectations are very high in this industry. Workers in this industry need to really understand the market, the economy besides the special handling skills for air freight.

<b>Subject Code &amp; Title</b>	<b>ABB30304 – Project Management</b>
Synopsis	The course relates to different topics and elements of project management. We begin with developing a sense of the strategic overview of project management, followed by various components of project management such as project selection, planning, organizing, and project control. A project management game is introduced to approximate the elements of project management and the challenges faced. Additionally the course concentrates on leadership and team working skills in the students that will be useful to them as project managers.

<b>Subject Code &amp; Title</b>	<b>ABB30204 – Airline Engineering Management</b>
Synopsis	Aviation is a very highly regulated industry. Engineering personnel are required to comply with these rigid requirements. As a manager in an airline engineering environment, the challenge will be managing these constraints while still ensuring the airlines business sustainability. This course discusses the various challenges, approaches, techniques and teaches some of the skills necessary to achieve the above goals.



<b>Subject Code &amp; Title</b>	<b>ABB30504 – Air Transport Management</b>
Synopsis	The Air Transportation industry is highly regulated in terms of its operations and commercial activities. Understanding the structure of air transport organization is important in order to manage the air transportation company. The ability to plan for air transportation business is crucial in ensuring its success and survival in the competitive environment.

<b>Subject Code &amp; Title</b>	<b>ABB30404 – Strategic Management</b>
Synopsis	This course focuses on the practice of strategic management in business organizations. Given the intense global competition, rapid technological change and the real concern of environmental preservation and conservation, strategy development and implementation is of utmost importance for business success. Students will be exposed to the strategic management framework covering strategy formulation, strategy implementation and strategy evaluation.



**Semester 6**

<b>Subject Code &amp; Title</b>	<b>WIB39908 – Industrial Training</b>
Synopsis	Students able to gain first hand knowledge and understanding of actual job of Aviation Managers and able to apply theories acquired in the program to improve the operation and management of the aviation industry.



## **Semester 7**

<b>Subject Code &amp; Title</b>	<b>ABB40403 – Airport Management</b>
Synopsis	Airport operations are a set of complex activities. Managing these activities requires extensive knowledge on the airport system, noise control, managing peak schedules and understanding the operating characteristics of aircraft.

<b>Subject Code &amp; Title</b>	<b>ABB40104 – Airport Planning &amp; Design</b>
Synopsis	This module covers the fundamentals on airport planning and design. It covers topics like airport master plan, airport infrastructures, forecasting, facilities requirements, design alternatives, financial plan, land use planning and environment issues. Case studies of recently built airport are also discussed.

<b>Subject Code &amp; Title</b>	<b>ABB40203 – Warehouse Management</b>
Synopsis	Warehouse Management involves management of inventories, productivities, evaluations of suitable systems and designing new infrastructures like warehouse and distribution centers. This subject covers warehousing and distribution centers issues; problems and the mythology of solving these issues/problems; evaluation of warehouse systems. Students will be taught by an experience practitioner using latest concepts and simulations softwares.

<b>Subject Code &amp; Title</b>	<b>ABB40303 – Management of Quality</b>
Synopsis	The course is designed to provide students with the basic knowledge and understanding in management of product and service quality in an organization.





<b>Subject Code &amp; Title</b>	<b>ABB40504 – Aircraft Maintenance Management</b>
Synopsis	This course will prepare students / graduates going to an aircraft maintenance and repair organization (MRO) for OJT / practical / an appointment as a management trainee. Students will learn the concepts on aircraft maintenance, management of MRO, logistics (supply chain) support and the economics of aircraft maintenance business.

<b>Subject Code &amp; Title</b>	<b>WPB49804 – Final Year Project 1</b>
Synopsis	This course focusing on the project proposal, literature review, methodology and proposal defend stage.



### **Semester 8**

<b>Subject Code &amp; Title</b>	<b>WBB10202 – Innovation Management</b>
Synopsis	The concept of innovation as a management discipline focuses on achieving the organizational vision. It searches for unique opportunities in determining whether they fit the organizational strategic direction. The process involves evaluating opportunities and their rate of success.

<b>Subject Code &amp; Title</b>	<b>ABB 40604– Airline Station Management</b>
Synopsis	This module is based on practical experience of the lecturer. This is a first hand knowledge given to the students.

<b>Subject Code &amp; Title</b>	<b>ABB41004 – Business Model</b>
Synopsis	A business model (also called a business design) is the mechanism by which a business intends to generate revenue and profits. It is a summary of how a company plans to serve its customers. Over the years, business model have become much more sophisticated. There are general business model and airline business model.

<b>Subject Code &amp; Title</b>	<b>ABB40904 – Airport Control Tower Management</b>
Synopsis	Airport control tower management is a unique career. They require special trained skills and have very heavy responsibilities. This module describes the various responsibilities and duties of this career.



<b>Subject Code &amp; Title</b>	<b>ABB40804 – Aviation Information Technology</b>
Synopsis	IT has revolutionized the aviation industry. It had improved the industry efficiency and profitability. The industry had spent billion of dollars in IT and it has shown acceptance and standardization of processes within the industry.

<b>Subject Code &amp; Title</b>	<b>ABB40704 – Air Cargo Operations Management</b>
Synopsis	This module is based on first hand knowledge of the lecturer. These operations are generally not fully covered in any text book.

<b>Subject Code &amp; Title</b>	<b>WPB49906 – Final Year Project 2</b>
Synopsis	This course is a continuation of final year project 1 focusing on the project implementation, data collection, result analysis and conclusion. Each student will be assessed independently.

<b>Subject Code &amp; Title</b>	<b>*MPU3213 – Bahasa Kebangsaan A</b>
Synopsis	Mata pelajaran ini bertujuan meningkatkan kecekapan dan kemahiran pelajar menggunakan bahasa Melayu sebagai wahana komunikasi dan penyampai ilmu yang padat, sofistikated, jitu dan canggih. Selain itu, mata pelajaran ini diharapkan mampu memupuk kemahiran menjalin idea secara bertulis dan juga lisan. Di samping itu, matapelajaran ini juga membimbing pa ra pelajar mengenalpasti pelbagai laras bahasa, baik sebagai gaya bahasa tulisan mahupun lisan dengan penilaian khusus kepada bahasa untuk akademik.