



Grand Asian University, Sialkot

Faculty of Management Science (FMS)

Department of Business Administration & Economics

BS Aviation Management

Program Duration: 4 years

Total Semesters: 8

Total Credit Hours: 130

1. Introduction

Our BS Aviation Management program is designed to prepare students for a successful and fulfilling career in the fast-paced world of aviation. By combining strong theoretical foundations with hands-on learning, students gain practical insight into airline operations, aviation law, safety management, airport planning, and aviation economics. The program focuses on developing leadership, problem-solving, and communication skills, empowering graduates to confidently step into managerial roles across airlines, airports, and aviation-related organizations. Join us and take off toward an exciting future in aviation management.

2. Program Vision

To shape responsible aviation leaders by combining modern education, global understanding, ethical foundations, and care for a sustainable future.

3. Program Mission

To empower aviation graduates through innovative education, global preparedness, and ethical leadership, developing adaptable professionals who advance sustainable practices in a dynamic aviation industry

4. Scope of the Program

Aviation Management as a BS program in Pakistan offers a growing and promising career path due to the gradual expansion of the country's aviation sector. With institutions like the Pakistan Civil Aviation Authority regulating the industry and airlines such as Pakistan International Airlines and Airblue operating domestically and internationally, there is increasing demand for skilled professionals. The program equips students with knowledge of airport operations, airline management, aviation safety, and logistics. Graduates can work in airlines, airports, cargo services, and aviation security departments. Opportunities also exist in international organizations like the International Civil Aviation Organization, making it a globally relevant field. The rise in air travel, tourism, and e-commerce further strengthens its future scope in Pakistan. However, the field requires specialized skills, practical exposure, and adaptability to a

highly regulated environment. Overall, Aviation Management provides diverse career options and long-term growth potential for students interested in the aviation industry.

5. Program Learning Outcomes (PLOs)

After completing the BS Aviation Management program, students will be able to:

- **PLO-1:** Demonstrate core knowledge of aviation management, including airline operations, airport management, aviation law, safety, and aviation economics.
- **PLO-2:** Analyze and solve managerial and operational challenges in the aviation industry using critical thinking.
- **PLO-3:** Apply effective leadership, teamwork, and communication skills in aviation organizations.
- **PLO-4:** Practice ethical decision-making and comply with national and international aviation regulations.
- **PLO-5:** Apply safety management systems and sustainable practices to enhance aviation performance.
- **PLO-6:** Use modern aviation tools and technologies for informed planning and decision-making.
- **PLO-7:** Adapt to global aviation environments and engage in lifelong professional learning

6. Course Learning Outcomes (CLOs)

- **CLO 1:** Explain fundamental concepts of aviation management, including airline operations, airport management, aviation law, safety standards, and aviation economics. *(Aligned with PLO-1)*
- **CLO-2:** Analyze real-world aviation problems and propose effective managerial and operational solutions using critical thinking skills. *(Aligned with PLO-2)*
- **CLO-3:** Demonstrate effective communication, teamwork, and leadership skills in aviation-related tasks and professional environments. *(Aligned with PLO-3)*
- **CLO-4:** Apply ethical principles and adhere to national and international aviation laws and regulatory frameworks in decision-making. *(Aligned with PLO-4)*
- **CLO-5:** Implement safety management systems and sustainable practices to improve efficiency and safety in aviation operations. *(Aligned with PLO-5)*
- **CLO-6:** Utilize modern aviation technologies, tools, and data analysis techniques for planning, monitoring, and decision-making. *(Aligned with PLO-6)*
- **CLO-7:** Adapt to the dynamic global aviation environment and demonstrate commitment to continuous learning and professional development. *(Aligned with PLO-7)*

Scheme of Studies

SEMESTER I			
Course Code	Course Title	Credit Hour	Category
QRE-501	Quantitative Reasoning- I	3(3-0)	General Education
ENG-501	Functional English	3(3-0)	General Education
ICT-501	Applications of Information and Communication Technologies	3(2+1)	General Education
MGT-501	Principles of Management	3(3-0)	Major
AVM-501	Introduction to Aviation	3(3-0)	Core
ECO-501	Economics	3(3-0)	Interdisciplinary
SEMESTER II			
Course Code	Course Title	Credit Hour	Category
QRE-502	Quantitative Reasoning- II	3(3-0)	General Education
PAD-502	Public Administration	2(2-0)	General Education
ENG-502	Expository Writing	3(3-0)	General Education
ENV-501	Environmental Science	3(2+1)	General Education
UHQ-501	Understanding of Holy Quran- I	1(1-0)	General Education
MGT-502	Organizational Behavior	3(3-0)	Major
ACC-502	Principles of Accounting	3(3-0)	Major
SEMESTER III			
Course Code	Course Title	Credit Hour	Category
HIS-500	Islamic History	2(2-0)	General Education
ISL-503	Pakistan Studies	2(2-0)	General Education
UHQ-502	Understanding of Holy Quran - II	1(1-0)	General Education
MKT-503	Principles of Marketing	3(3-0)	Major
ACC-503	Financial Accounting	3(3-0)	Major
AVM-503	Aviation Communication	3(3-0)	Core
BAN-503	Data Analytics	3(3-0)	Interdisciplinary
SEMESTER IV			
Course Code	Course Title	Credit Hour	Category
CCE-501	Civics and Community Engagement	2(2-0)	General Education
ICP-504	Ideology and Constitution of Pakistan	2(2-0)	General Education

ENT-504	Entrepreneurship	2(2-0)	General Education
ISL-501/ETH-501	Islamic Studies (Religious Education / Ethics for non-Muslim Students)	2(2-0)	General Education
FIN-504	Business Finance	3(3-0)	Major
MKT-504	Marketing Management	3(3-0)	Major
AVM-504	Aviation Meteorology	3(3-0)	Core

SEMESTER V			
Course Code	Course Title	Credit Hour	Category
HRM-505	Human Resource Management	3(3-0)	Major
FIN-505	Financial Management	3(3-0)	Major
LAW-505	Business Law	3(3-0)	Interdisciplinary
AVM-505	Aircraft Systems and Operations	3(3-0)	Core
AVM-505	Air Cargo Operations and Management	3(3-0)	Core
SEMESTER VI			
Course Code	Course Title	Credit Hour	Category
AVM-506	Airport Operations & Management	3(3-0)	Core
AVM-506	Aviation Safety and Security Management	3(3-0)	Core
AVM-506	Sustainable Development Goals	3(3-0)	Interdisciplinary
AVM-506	Flight Operation and Simulation	3(3-0)	Elective
AVM-506	Air Traffic Control and Management	3(3-0)	Elective
SEMESTER VII			
Course Code	Course Title	Credit Hour	Category
RM-507	Business Research Methods	3(3-0)	Major
AIB-507	AI in Business	3(3-0)	Major
AVM-507	Strategic Management in Aviation	3(3-0)	Core
AVM-507	Aviation Technologies and Innovation	3(3-0)	Specialization
AVM-507	Aviation Project Management	3(3-0)	Specialization
SEMESTER VIII			
Course Code	Course Title	Credit Hour	Category
AVM-508	Aircraft Accident/Incident Investigation	3(3-0)	Core
AVM-508	Travel & Tourism in Aviation	3(3-0)	Elective

AVM-508	Global Airline Operation & Management	3(3-0)	Elective
CAP-508	Capstone Project	3(3-0)	Capstone Project
INT-508	Internship	3(3-0)	Internship

List of Electives

	Financial Derivatives	3(3-0)
--	-----------------------	--------

Finance		
Course Code	Course Title	Credit Hour
	Algorithmic and Quantitative Trading	3(3-0)
	Analysis of Financial Statements	3(3-0)
	Blockchain for Finance	3(3-0)
	Corporate Finance	3(3-0)
	Financial Institutions Management	3(3-0)
	Financial Markets and Institutions	3(3-0)
	Financial Modeling for Decision Making	3(3-0)
	Financial Risk Management	3(3-0)
	Financial Statement Analysis	3(3-0)
	FinTech	3(3-0)
	International Financial Management	3(3-0)
	Investment Analysis and Portfolio Management	3(3-0)
	Project Appraisal	3(3-0)
	Risk Management and Insurance	3(3-0)
	Sustainable Finance	3(3-0)
	Technofinance	3(3-0)

Accounting		
Course Code	Course Title	Credit Hour
	Financial Reporting	3(3-0)
	Corporate Accounting	3(3-0)
	Accounting Information Systems	3(3-0)
	Advanced Financial Reporting	3(3-0)
	Government Accounting	3(3-0)