

항공경영전공(협동과정) 교과과정표(2022-2023)

가. 교과목 편성 및 학점

<공통과목>

학수코드	교과목명(영문명)	주당시간	학점
GV 001	연구조사방법론 (Research Methodology)	3	3
GV 002	KAC 현장실습 I (KAC Field Placement I)	3	3
GV 003	KAC 현장실습 II (KAC Field Placement II)	3	3
GV 004	전략적 의사결정론 (Strategic Management)	3	3
GV 005	항공 및 공항 마케팅론 (Air Transportation and Airport Marketing)	3	3
GV 006	글로벌 재무관리 (Global Financial Management)	3	3
GV 007	FATS (Fundamentals of the Air Transport System)	3	3

<항공정책 및 계획>

학수코드	교과목명(영문명)	주당시간	학점
GV 101	공항계획 및 설계 (Planning and Design of Airports)	3	3
GV 102	국제항공운송산업 (Global Aviation Industry)	3	3
GV 103	국제항공법 및 항공정책 (International Air Transport Law and Global Aviation Policy)	3	3
GV 104	공항경영 및 항공사 경영 (Airport & Airline Management)	3	3
GV 105	항공 SCM (Supply Chain Management in Aviation)	3	3

<공항운영 및 안전>

학수코드	교과목명(영문명)	주당시간	학점
GV 201	공항접근교통 및 ITS (Airport Ground Access Transportation and Intelligent Transport Systems)	3	3
GV 202	공항운영 (Airport Operation)	3	3
GV 203	항공보안 및 안전 (Aviation Security and Safety)	3	3
GV 204	Airport Design with simulation	3	3
GV 205	공역안전 및 효율 (Airspace Safety and Efficiency)	3	3

나. 교과목 해설

<공통과목>

학수코드	교과목명
GV 001	<p>연구조사방법론 (Research Methodology)</p> <p>The purpose of this course is to assist graduate students in developing their own research proposals. The course consists of two stages. The first stage is read a textbook on research methodology with some academic literature. The second one is to discuss research proposal of students.</p>
GV 002	<p>KAC 현장실습 I (KAC Field Placement I)</p> <p>This course is for work experience in Korea Airports Corporation(KAC), one of the best airport in the world. The Course is composed of 3 subcourses, "Airport Operation" "Airport Planning" "Aviation Safety & Security". Each subject is focused with on-site sessions, airport tour, case studies so that students can develop their business skills through the practical curriculum.</p>
GV 003	<p>KAC 현장실습 II (KAC Field Placement II)</p> <p>This course is for work experience in Korea Airports Corporation(KAC), one of the best airport in the world. The Course is composed of 2 subcourses, "Smart Airport" "ICAO Aviation Security Manager Course" and an Internship. Students can develop their business skills through on-site sessions, airport tour, case studies.</p>
GV 004	<p>전략적 의사결정론 (Strategic Management)</p> <p>This course is a study of strategic management and practice, emphasizing the management functions of planning, decision-making, organizing, leading and controlling.</p>
GV 005	<p>항공 및 공항 마케팅론 (Air Transportation and Airport Marketing)</p>

This course is designed to provide students with a basic knowledge of the marketing and management aspects in the air transportation and airport industry. This course also provides students opportunities to learn how to create a marketing planning in aviation industry that consists of product, price, place and promotion.

GV 006 글로벌 재무관리

(Global Financial Management)

The course is designed to address key issues of international financial management. It first covers the crucial role that finance plays in the functioning of business. Additionally, it studies the international financial environment as well as corporations' strategic alternatives and operational practices. The following topics are among those covered: financial markets, financial statements and cash flows, cost of capital, capital budgeting in multinational corporations; cross-border lending by banks; trade finance; and foreign direct investment.

GV 007 FATS (Fundamentals of the Air Transport System)

Overall review of the Air Transportation Systems is provided. The topic include air law, aircraft, operations, navigation, airport, security, environment, and others.

<항공정책 및 계획>

학수코드	교과목명
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GV 101 공항계획 및 설계

(Planning and Design of Airports)

Basic concepts and analysis methods for airport master planning will be taught. Subjects include aviation demand forecast, design hourly volume, capacity analysis, and feasibility study. Special lectures on design of airside facilities and passenger terminal building will be supplemented by guest speakers.

GV 102 국제항공운송산업

(Global Aviation Industry)

The main object of this course is to enlarge the

understanding of the global aviation market structure and changes. The course will be provided a systematic approach for students on the detailed subject including the aviation market structure, the demand evolution in markets, and the ecosystem of the aviation industry.

GV 103 국제항공법 및 항공정책

(International Air Transport Law and Global Aviation Policy)

In this course, the concept of international aviation law and the regulations will be discussed, and the various issues on aviation policy effects will be provided. In particular, some political issues in the global aviation market will be discussed focusing on the US, Europe and Asia aviation markets.

GV 104 공항경영 및 항공사경영

(Airport & Airline Management)

Airport management principles involving the changing nature and the components of airports, airport economics, the components of the airport, organizational structure of airports are studied. Also, airline management principles involving aviation statistics, production, revenue, sales, costs, and routes are studied.

GV 105 항공 SCM

(Supply Chain Management in Aviation)

This course serves as the introduction to the supply chain management in aviation industry.

<공항운영 및 안전>

학수코드	교과목명
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GV 201 공항접근교통 및 ITS

(Airport Ground Access Transportation and Intelligent Transport Systems)

The course focuses on fundamental principles of land-side and ground access transportation systems of airports. It introduces airport land-side and ground transportation systems components, and also addresses how one estimate airport access demand and plans facilities accordingly. The tie between airport ground access transportation and intelligent

transportation systems is emphasized. We discuss how smart transportation services with emerging information technologies can improve airport access systems.

GV 202 **공항운영**

(Airport Operation)

This course is designed to introduce overall airport operation, including airport operational system, peak capacity, noise control, ground handling, baggage handling, passenger terminal operations, airport security, cargo operations, emergency operation, technical service and airport access.

GV 203 **항공보안 및 안전**

(Aviation Security and Safety)

Overall review of the Aviation Safety is handled first. The security aspects will be discussed more detail considering the current situations of war against terror.

GV 204 **Airport Design with Simulation**

This course particularly focuses on following four areas involved in airport operations: 1) Airside including runway, airfield capacity and delays, 2) Landside encompassing design of terminals and airport access, and 3) efficient operation of airport in both economic and environmental perspectives. The class also introduces basic concept and applications of simulation models for airport transportation studies. Various types of demonstration of the simulation models collected from the real-world studies will be presented and discussed. The demonstration would help students to fill the gap between the information from the textbooks and the practical experience required in the field.

GV 205 **공역안전 및 효율**

(Airspace Safety and Efficiency)

This course is designed for students to learn the basic principles of air traffic management and how various components of the system work together to achieve its safety and efficiency in airspace. In each class, different topics in airspace safety and efficiency will be presented along with discussion.