

Course Description

A. Required Basic Technology

MIP501 Advanced Technology: IT

This course is designed to provide basic understanding of the state-of-the-art information technology (“IT”). KAIST professors with worldwide reputation in this field will guide the students to be equipped with essential knowledge and up-to-date information to lay a solid foundation in accomplishing their professional tasks. It is an intensive workshop program.

MIP502 Advanced Technology: ET

This course is designed to provide basic understanding of the state-of-the-art environmental technology (“ET”). KAIST professors with worldwide reputation in this field will guide the students to be equipped with essential knowledge and up-to-date information to lay a solid foundation in accomplishing their professional tasks. It is an intensive workshop program.

MIP503 Advanced Technology: BT

This course is designed to provide basic understanding of the state-of-the-art biotechnology (“BT”). KAIST professors with worldwide reputation in this field will guide the students to be equipped with essential knowledge and up-to-date information to lay a solid foundation in accomplishing their professional tasks. It is an intensive workshop program.

MIP504 Advanced Technology: NT

This course is designed to provide basic understanding of the state-of-the-art nanotechnology (“NT”). KAIST professors with worldwide reputation in this field will guide the students to be equipped with essential knowledge and up-to-date information to lay a solid foundation in accomplishing their professional tasks. It is an intensive workshop program.

MIP505 Advanced Technology: Convergence

This course is designed to provide integration and application skills of the respective advanced technology subjects. KAIST professors with worldwide reputation in each field will guide the students to be equipped with advanced skill sets to apply integrated knowledge on the technologies to the IP practices. It is an intensive workshop program held in KAIST Daejeon campus.

B. Required Major

MIP531 IP Practice Colloquium

This course is designed to provide advanced knowledge and experience of the intellectual property practice. Most successful practitioners including patent attorneys, government officials, and CPO’s will address key contemporary issues of IP practice. Students can participate in the classroom discussions and find opportunities to build their professional networks.

MIP532 International Standard Patent Strategy

Once a firm’s patented technology is standardized, similar technologies developed by its competitors may not be able to catch up with the standardized one no matter how much R&D investments have been made for them. This course addresses strategic and practical issues regarding standard patents as well as fundamental knowledge on standard setting organizations and their works. Considering that standard patents will have tremendous economic spillover effects on an industry, or even the domestic economy as a whole, policy issues will also be discussed in the course. Business cases of multinational enterprises will be introduced to explain importance of securing standard patents.

MIP533 International Patent Laws & Cases

This course is designed to provide fundamental knowledge on the patent law rules and leading court decisions of the USA, EU, China and Japan. Utilizing diverse classroom activities including lectures, case presentations, and

group discussions, it will facilitate students to sharpen and deepen their international patent law knowledge and case analysis skills. The topics include: patentable subject matter, utility, novelty, non-obviousness/inventive step, enablement, infringement, doctrine of equivalents, remedies, etc.

MIP534 International TM/Design Laws & Cases

This course will provide fundamental knowledge on trademark and design laws of the countries including the USA, the EU, China, and Japan. Students will be exposed to the key provisions of each trademark/design law and leading court decisions. The topics include: establishment of trademark rights, requirements for design registration, trade dress, infringement, remedies, etc. Diverse classroom activities including lectures, case presentations, and group discussions will be utilized.

MIP535 International Copyright Laws & Cases

This course will provide fundamental knowledge on copyright laws of the countries including the USA, the EU, China, and Japan. Students will be exposed to the key provisions of each copyright law and leading court decisions. Diverse classroom activities including lectures, case presentations, and group discussions will be utilized. The topics include: authorship, fixation, idea-expression dichotomy, infringement, fair use, remedies, work for hire, first sale doctrine, digital copyright, Digital Millennium Copyright Act, etc.

MIP536 Strategic Patent Development

This course is designed to enable students to link their practical knowledge on patenting with business strategy. Students will be exposed to the situations where they have to decide: (1) which technologies need to be patented; (2) how to avoid possible patent infringement claims from the competitors; (3) how to protect the core technologies of the firm; and (4) how to leverage negotiations in business transactions such as licensing and M&A. Technology life cycle approach is adopted to explain key principles throughout the course.

C. Elective Major

MIP571 Introduction to Korean IP Laws

This course is designed to provide fundamental knowledge on the Korean IP laws and leading court decisions. Utilizing diverse classroom activities including lectures, case presentations, and group discussions, it will facilitate the students to sharpen and deepen their IP law knowledge and case analysis skills. The topics will cover: (1) patent law issues including patentability, patent infringement, doctrine of equivalents, and remedies; (2) trademark/design law issues including the establishment of trademark rights, requirements for design registration, trade dress, infringement, and remedies; (3) Copyright law issues including authorship, fixation, idea-expression dichotomy, infringement, fair use, remedies, and digital copyright.

MIP572 Intellectual Property Management

This course is designed to provide students with fundamental knowledge on intellectual property management topics. As an introductory course of all intellectual property management subjects, it will cover strategic management issues of patents, trademarks, designs, trade secrets, and copyrights. It will also explore issues of IP transactions such as licensing, valuation, negotiation, and M&A's.

MIP573 Korean IP & Litigation Practice

This course provides practical knowledge and skill set essential to the IP application/registration and litigation practices in Korea. This course is offered to the students with less than a year of professional experience in intellectual property field. The first part of the course will discuss topics of IP application/registration, patent claim drafting, office action techniques, IP information search, etc. The second part of the course is about how to prepare and conduct the oral arguments, how to prepare legal documents, how to establish their legal claims, how to manage negotiations in and out of the courtrooms, and how to resort to the alternative forms of dispute resolution.

MIP574 International IP Practice

This course is designed to train students to acquire knowledge and experience required for practices of patents, designs, and trademarks in the USA, the EU, China, and Japan. Tailored classroom exercises will help students be trained in the tasks including: (1) how to draft patent claims, (2) how to correspond with the patent offices, (3) how to strategically utilize different types of application, (4) how to avoid legal risks found in prosecution history,

(5) how to conduct effective DB searches, etc. Years of professional experience in any jurisdiction is strongly recommended, although not required, for students to take this course.

MIP575 International Brand/Design Management

This course is designed to provide concrete knowledge on the brand and design management strategy of multinational corporations. Through case studies, group discussions, and lectures, students will acquire strategic frameworks and skill sets to make profits using distinctive trademarks, CI's, and industrial designs.

MIP576 Intellectual Property Valuation Theory and Practice

Intellectual properties can be traded in the market through various transactional forms such as sales, licensing, financing, and M&A. Such transactions, however, require elaborated standards for valuation, irrespective of the types of the traded intellectual property. So this course addresses valuation methodologies and related practical issues of technologies, brand names, industrial designs and artworks. Students will acquire essential skill sets that can be directly applied to the aforementioned commercial transactions of intellectual property rights.

MIP577 International IP Litigation Practice

This course will provide practical knowledge and experience in IP litigations held in the USA, the EU, China, and Japan. Differences in IP laws and procedures by jurisdictions will be highlighted. Through the case studies, students will learn the fundamental issues about IP infringements: direct and indirect infringements, measuring damages, injunctions, etc. Students will also learn how to prepare and conduct the oral arguments, how to establish the illegal claims, how to manage negotiations in and out of the court rooms.

MIP578 IP Contracting and Licensing

This course is designed to provide practical knowledge and skills in intellectual property contract making and licensing. About licensing issues, this course will cover patent licensing; trademark/brand licensing, and copyright (artworks and character) licensing. It will also address other IP contracting issues such as employment contract, NDA (non-disclosure agreement), and mass licensing of software.

MIP579 IP Information Management Practice

This course is designed to facilitate students to acquire knowledge and experience in intellectual property information management. The topics include: (1) where to find useful IP information, (2) how to conduct library and DB searches efficiently, (3) how to use relevant software, etc. This course will emphasize on patent mapping and analysis necessary for strategic management of patent portfolio. Students will learn that IP information management is essential to both the successful defenses and offenses in case of IP infringement claims.

MIP580 Global Transaction and US Law on Contracts

This course provides solid legal foundation required for global IP transactions. For this purpose, it explores the key legal concepts of the Anglo-American Law of Contracts and the Uniform Commercial Code Article Two. The topics include the doctrine of consideration, promissory estoppel, offer and acceptance, mistake, fraud, duress, unconscionability, contract interpretation, conditions, breach, and remedies.

MIP581 International Litigation & US Civil Procedure

This course is designed to provide basic understanding of international IP litigations held in the federal and state courts of the USA. It focuses on the structure and organization of the federal and state judicial systems, jurisdiction over the person and subject matter, process and pleadings, parties, joinder of claims, pre-trial motion practice, discovery of evidence, division of functions between judge and jury, in-court procedures, post-trial motions, and appellate review. The course is litigation practice-oriented and uses the Federal Rules of Civil Procedure as a model.

MIP582 US Law on Property and IP

This course is an introduction to the US laws of real property and intellectual property. Regarding real property, it explores the original acquisition; contract of sale; gift; bona fide purchase; the Anglo-American system of estates in land; the law of trespass and nuisance; concurrent ownership; future interest; landlord and tenant; eminent domain; and easement. Regarding intellectual property, it explores laws on trademarks, copyright, and patents, trade secrets, dilution, right of publicity.

MIP583 International Litigation and Conflict of Laws

This course is designed to provide US law knowledge on how to determine the appropriate forum which has

jurisdiction to adjudicate the IP cases. The topics will cover: (1) jurisdiction issues including "in personam jurisdiction", "in rem jurisdiction" and "quasi in rem jurisdiction"; (2) choice of law problem including forum shopping and forum non convenience; (3) recognition and enforcement of foreign judgments issues including "full faith and credit" and reciprocity.

MIP584 International Litigation & US Law on Evidence

This course is designed to provide fundamental knowledge on the US law of evidence, which structures the trial of IP litigations. The topics include relevance, character evidence, hearsay rules, impeachment, witness examination, expert testimony, privilege, etc. The discussions will be based on the Federal Rules of Evidence, but divergences between the Federal Rules and the common law of evidence are also discussed.

MIP585 US Law on Torts and Product Liability

This course is designed to provide basic knowledge on the Anglo-American tort law and product liability issues. The topics include: (1) INTENTIONAL TORTS including assault and battery, false imprisonment, trespass, intentional infliction of emotional distress, and fraud; (2) NEGLIGENCE which comprises four elements (duty of care, breach of the duty, causation, and injury), res ipsa loquitur, negligence per se; (3) and STRICT LIABILITY including animal owner's liability, extremely dangerous activities, and product liability. It emphasizes the effect of modern socioeconomic concepts and economic theories on tort law development.

D. Others

MIP601 IP Fusion Project

This course is provided at the end of MIP semester to meet the graduation thesis requirement. The course is designed to provide fusion knowledge of IP by undertaking team project. The project will integrate technology, law and management element by including technology planning, patent application & management, patent protection issues and finalize project by oral presentation.

MIP602 International IP Seminar

The first part of this course is a simulated IP court proceeding. The jurisdictional setting of the course is international, which means that students will play roles as patent attorneys at the courts in the US and the EU. Students will receive a problem set addressing factual background of the case and opinion from a lower court at the beginning of the course. Students will then research and prepare for the court proceeding, participate in oral arguments, submit memos/briefs as if they are patent attorneys. This course will be sponsored by several outside organizations. Honorable judges and attorneys will be invited to sit at the bench. The second part of this course is an on-site practical education of IP litigations in the USA. It will facilitate students to attend seminars at leading patent law firms such as "Finnegan, Henderson, Farabow, Garrett & Dunner, LLP" at Washington D.C., visit the USPTO and federal courts, and meet patent attorneys, judges, examiners, scholars, CEO's, and other experts in intellectual property.