

Course Title	Technology-based Entrepreneurship Course-IIC (TEC-IIC) [Intellectual Property Plan]
Registration Code	L200100001
Number of Credits	1
Years of Eligible Graduate Students	3-5
Semester	whole year
Period	out of time schedule
Room	not decided
Instructors	Norifumi Fujimura
Office hours	
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Goals of the course	Intellectual property is the foundation of business activities, and is the most important part for the startup companies. In this lecture, students learn the "How to make a strong patent" by utilizing JPO database, based on the minimum necessary knowledge of patent with the novelty and inventive step of patents, introducing the the companies which achieved the competitive advantage of a business.
Textbooks	Printed matters will be distributed.
Books of reference	Lecturers introduce in a class
Allied subject	
Homework (Preparing for the classwork)	<p>Before taking a class, students have to be interested in conflicts over various intellectual property including patents, copyrights and designs (design rights) existing in society and must prepare the proposals and questions in the class. The students must review the issues dealt in the class.</p> <p>The students must</p> <ol style="list-style-type: none"> <li>1. check the outline of patents, copyrights and design rights using the sight <a href="http://www.ron.gr.jp/law/">http://www.ron.gr.jp/law/</a>, and prepare any question about any theme (to reflect his/her awareness of the issues to the next class).</li> <li>2. check the website of the US Trademark Office (<a href="https://www.uspto.gov/">https://www.uspto.gov/</a>) and the European Patent Office (<a href="http://www.epo.org/">www.epo.org/</a>).</li> <li>3. check the Patent lar Article 29 (<a href="http://www.ron.gr.jp/law/law/tokkyo.htm">http://www.ron.gr.jp/law/law/tokkyo.htm</a>).</li> <li>4. investigate appropriate cases of disputes from published information.</li> <li>5. investigate companies' patent strategy from public information, as an example of a company that the students know.</li> <li>6. 7. investigate at least one case of disputes about bio patent, business patent and program copyright.</li> <li>8. investigate logical thinking and competitive strategy.</li> </ol>
Course outline	In this class, we deal with the cases of global companies that realized technical advantage, including Dyson which innovated from vacuum cleaner to electric fan, Nestle company which changed the concept of instant coffee, Komatsu Manufacturing Co. which dominates the world by heavy machinery for construction, a bio-based venture company that renewed common sense of treatment with a new drug of 80,000 yen per tablet, Satoshi Omura of Kitasato University who developed new medicine which exterminated infectious diseases in Africa. Focus on the novelty and inventive step of patents, the students acquire "how to make strong patents" by utilizing national patent office databases.
Class schedule	1st Learn the structure of patents and the concept of patents as laws

	2nd Learn the trends of countries over patent rights
	3rd Learn the importance and thinking of patent novelty, inventive step
	4th Know about patent disputes in court
	5th Know the patent strategies in open / close strategy companies
	6th Learn bio-related patent, business patent and program copyright
	7th Learn "how to make strong patents", bio-related patent and patents of Suntory, Nestle and Canon.
	8th Learn the characteristics of strong patents by using logical thinking so that they can exercise their rights
Evaluation	Evaluate comprehensively by the contents of assignment in class and report
Remarks	This lecture is given by Akagi Project professor on Thursday 4th. Curriculum for the students enrolled in 2017 and after