Course Title		Technology-based Entrepreneurship Course-IIA (TEC-IIA) [MOT Basic])
Registration Code		L200080001
Number of Credits		1
Years of Eligible Graduate Students		3-5
Semester		whole year
Period		out of time schedule
Room		not decided
Instructors		Toshiyuki Matsui
Office hours		Matsui: Tue. 3rd. Room 325, A6 Bldg.
Contact		t-matsui@21c.osakafu-u.ac.jp
Goals of the course		Students learn the basic knowledge of MOT (Managementof Technology) necessary for corporate researchers. Additionally, the students learn the necessity and importance of technological management through the lectures and the seminars, including R&D management for commercialization, product development management and bacis intellectual property.
Textbooks		Not specified
Books of reference		Lecturers introduce in a class
Allied subject		
Homework (Preparing for the classwork)		Before taking a class, the students must organize their own ideas against the contents of the lecture stated in the pamphlet. After the class, the students must consider the changes of their own ideas. Additinally, the students must review again the subjects submitted in the class.
Course outline		Lectures in omunibus format are carried out by inviting the persons from industry, under the following subjects: - necessity of innovation - Expectations to researchers in companies - Entrepreneurship and starting a business - Corporate strategy and research strategy - Research development mangement for commercialization - Necessary ethics and knowledge for product developers - Intellectual property and its strategy - Business planning and research design
Class schedule	1st	Necessity of innovation (Advanced research personnel in the national strategy)
	2nd	Expectations to researchers at at companies
	3rd	Attractiveness of entrepreneurship and starting a business
	4th	Expectations to researchers in companies - Corporate strategy and research strategy - Engineers expected by companies
	5th	Research development mangement for commercialization - Theme management (Discovery and setting of research theme, and progress management) - Process of commercialization
	6th	Necessary ethics and knowledge for product developers - Developers ethics and compliance - Life cycle assessment and risk management - Quality assurance and quality control
	7th	Intellectual property that engineers should know - What is intellectual property? - Patent - competition to capture the future - Copyright - what is the difference between patent and copyright?

	8th	Business project and research plan - What is business planning? - Business project and research plan - Purpose and preparation of the proposal
Evaluation		Evaluate comprehensively by the contents of assignment in class and report
Remarks		Curriculum for the students enrolled in 2017 and after