

(Course Title) Mathematics in Kyoto iUP preparatory course	(Course offered period) 2 nd Semester (Numbers of weekly frame) Two
(Affiliated department) Institute for Liberal Arts and Science (Job title) Professor (Name) TSUTSUMI, Yoshio	(Class style) Lecture (Eligible students) Students of Kyoto iUP Preparatory course (Day/period) Thursday/ 1 and 2
(Outline and Purpose of the Course) The purpose of this course is to teach Kyoto iUP students the knowledge of the graduation level mathematics of Japanese high school. In the course, the lectures and exercises for almost all areas of mathematics are treated.	
(Course Goals) The goal is to acquire the mathematical knowledge which is equivalent to the graduates of Japanese high school, e.g. to acquire the knowledge and skills to solve the EJU level problems. EJU: Examination for Japanese University Admission for International Students	
(Course schedule and Contents) The lectures and exercises of the following topics will be executed. Function, Trigonometric Functions, Vectors, Complex Numbers and Complex Plane, Number of Outcomes, Calculus (Differentiation), Calculus (Integration), Sets and Proofs, Combinatorics, Probability, Sequences and Series.	
(Class requirement) Students in the Kyoto iUP preparatory course	
(Evaluation methods and policy) The final examination is used to evaluate the progress.	
(Regarding studies out of class (preparation and review)) The preparation is requested if there are some unknown knowledge in the basic contents in the material distributed beforehand. The homework must be submitted till the specified date. All the students are required to submit the specified exercise problems beforehand. The students will have to attend either this mathematics course or “Advanced Mathematics in Kyoto iUP preparatory course”. Students who have enough skills in high school mathematics are strongly recommended to attend the latter course	
(Others (office hour, etc.)) Based on a student's understanding level, the interview with students will be scheduled temporarily.	
(Textbook) The original material prepared by the teacher is uploaded to PandA before each lecture.	
(References) The additional material will be assigned to the students whose understanding level is insufficient.	
(Related URL)	