

(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) Associate Professor (Name) KOSUGE, Shingo	(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 the knowledge of the graduation level mathematics of Japanese high school to Kyoto iUP students for non-science majors. In the course, the lectures and exercises for almost all area 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 following topics will be executed. Function, Trigonometric Functions, Vector, Complex Numbers and Complex Plane, Calculus (Differentiation), Calculus (Integration), Sets and Proofs, Number of Outcomes, Combinatorics, Probability, Statistics, 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. The student should submit the specified exercise problem beforehand.	
(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)	