

都立国際高校 年間授業計画 / Tokyo Metropolitan Kokusai High School Course Syllabus

科目基礎情報 / Course information				
開講年度 / Academic year	令和4年度 / 2022年度			
開講学科 / Department	国際学科国際バカロレアコース / IBDP(International Baccalaureate Diploma Programme)			
教科 / Subject	Mathematics Analysis and Approaches Higher Level (DP2)			
科目 / Course Title	Mathematics Analysis and Approaches Higher Level (DP2)			
学年・クラス / Year・Class	DP2			
単位数 / credits	6			
科目概要情報 / Course description				
講座概要 / Course description	This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series and proof by induction.			
到達目標 / Course objectives	Enjoy mathematics and develop an appreciation of the elegance and power of mathematics. Develop an understanding of the principles and natures of mathematics, develop logical, critical and creative thinking. Employ and refine powers of abstraction and generalization.			
評価方法と評価基準 / Evaluation method and criteria	1. Knowledge and Understanding 2. Problem solving 3. Communication and Interpretation 4. Technology 5. Reasoning 6. Inquiry Approaches			
教科書 / Textbooks	Mathematics: Analysis and Approaches, Higher Level, Pearson Education			
校外学習 / Field trip				
授業計画 / Course schedule				
	指導項目 / Topic	指導内容 / Contents	評価の方法・基準 / Evaluation method and criteria	予定時数 / Alotted hours
1学期 / 1st semester	4月	Probability Distributions	Homework, Quizzes, Take-Home Assignments, Examinations	30
		Integral Calculus II (Differential equations)		30
	5月	Integral Calculus II (Differential Equations II)		30
		Practicing Paper 3		30
	6月	Review for Mock Exams		30
	7月			18
2学期 / 2nd semester	9月	Review for Final Exams		30
	10月	Review for Final Exams		30
	11月			0
	12月			0
3学期 / 3rd semester	1月			0
	2月			0
	3月			0