

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5年度/2023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
科目/Course Title	Mathematics: Analysis and Approaches, Standard Level (DP1)
学年・クラス/Year・Class	DP2
単位数/credits	3

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	Review for Mock Exams	Homeworks, Quizzes, Take-Home Assignments, Examinations	12
	5月	Review for Mock Exams		12
	6月	Review for Mock Exams		12
	7月	No class		0
	9月	Review for Final Exams		12
2学期/2st semester	10月	Review for Final Exams	Homeworks, Quizzes, Take-Home Assignments, Examinations	12
	11月	Review		12
	12月	Review		12
	1月	Review		12
3学期/3rd semester	2月	Review	Homeworks, Quizzes, Take-Home Assignments, Examinations	12
	3月	Review		12
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