科目ナン	バリン	グ U-I	LAS12 1	000	2 LE57										
授業科目 <英訳>		amental F amental F	•				担当 職名	者所加 ・氏1	属 工学研究科		和	· 准教授(		QURESHI, Ali Gul	
群	自然科学科目群				}野(分類)	学(	学(基礎)				使用言語英語				
旧群	B群	単位数 2単位			週コマ数 11		マ 掛		授業	受業形態 講義		義(対面授業		目)	
開講年度・ 開講期	2024 ·	・前期 曜時限 オ		木4	:4		百日		á学年 主として		て1回生	1回生 対象学会		理系向	
[授業の概要・目的]															
	Lectures on the topics of physics (classical mechanics) that are common and necessary to all students who study natural sciences.														
[到達目;	標]														
-	To acquire knowledge of basic concepts of physics such as motion, energy, gravitation, and the related laws of these topics.														
[授業計画と内容]															
1. Kinematics, velocity and acceleration, components of polar coordinates (3 weeks)															
2. Laws of motion, equations of motion and application (3 weeks)															
3. Law of conservation, work and energy, angular momentum, momentum (3 weeks)															
4. Motion due to a central force, planetary motion under the gravitation of the sun (3 weeks)															
5. Motion of a system of particles (2 weeks) 6. Feedback (1 week)															
6. Feedback (1 week)															
This course is intended mainly for students who studied physics at high school. Those who did not study physics are recommended to take "Elementary Course of Physics A".															
[成績評価の方法・観点]															
Weekly submission of class examples, class participation and homework (20%), Snap quizzes (15%), Final															
examination(65%)															
[教科書]															
使用しない															
[参考書等]															
(参考書)															
William Moebs et al. <sup>C</sup> University Physics Vol.1 (OpenStax) (Book is available at https://openstax.org/															
details/books/university-physics-volume-1)															
Raymond A. Serway, John W. Jewett jr., Physics for scientists and engineers with modern physics (															
Brooks/Cole Cengage Learning ) ISBN:978-1133947271															
Marcelo Alonso, Edward Finn Physics (Addison-Wesley) ISBN:0201565188															
Students are advised to refer to the class handouts and readings provided in the classes. Homework is															
														ts to do their	
homewor	0		U		-										
[その他	(オフィ	ィスアワー	-等)]												
-				g th	e first lectur	re.									