科目ナンバリング U-LAS12 10002 LE57															
授業科目 <英訳>		amental H amental H	•				担当者所属 職名・氏名 工学研究			名科	科 准教授 QURESHI, Ali Gul				
群	自然科学科目群				〕野(分類)	学(基礎)				1	使用言語 英語				
旧群	B群	単位数 2単位			週コマ数	1コ	マレンでである。			形態	講義(対面授業			《科目)	
開講年度・ 開講期	2025 ·	前期	曜時限	木 4			配当		á学年 まとし		、 て1回生	z 対象学	生	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]	[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]															
 Kinematics, velocity and acceleration, components of polar coordinates (3 weeks) Laws of motion, equations of motion and application (3 weeks) Law of conservation, work and energy, angular momentum, momentum (3 weeks) Motion due to a central force, planetary motion under the gravitation of the sun (3 weeks) Motion of a system of particles (2 weeks) Feedback (1 week) 															
[履修要件]															
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%)															
使用しない															
[参考書等]															
(参考書) William Moebs et al. 『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															
[授業外学修(予習・復習)等]															
assigned	Students are advised to refer to the class handouts and readings provided in the classes. Homework is assigned to strengthen the learning of the topics covered in class, therefore, it is advised to students to do their homework regularly and carefully.														
[その他	(オフィ	ィスアワ・	-等)]												
Office ho	urs will	be provid	ed during	g the	e first lectu	re.									
[主要授	業科目((学部・	学科名)]											

理学部