科目ナンバリング	U-LAS70 10002 SE50						
授業科目名 <英訳>	ILAS Seminar-E2 :Frontiers in Theoretical Physics I （理論物理学最前線 I ） ILAS Seminar-E2 :Frontiers in Theoretical Physics I			担当者所属 職名・氏名	基礎物理学研究所 准教授 Antonio De Felice(アントニオデフェリーチェ)		
群	少人数群	単位数	2単位	週コマ数	1コマ	授業形態	ゼミナール（対面授業科目）
開講年度・開講期	2024・前期	受講定員 (1回生定員)	25 (15) 人	配当学年	主として1回生	対象学生	全学向
曜時限	水5	教室	共西04			使用言語	英語
キーワード	Theoretical Physics / 理論物理学 / modern physics / 現代物理学						

[授業の概要・目的]

● New discoveries and problems arise constantly in theoretical physics.

● We will discuss about the latest achievements, puzzles in the class.

● We will then read each week a couple of recent papers appeared on “ Scientific American ” of the subject of astronomy, cosmology, theoretical physics or experiments in particle physics.

● Students are given a paper to discuss for the next week.

● The students will be divided into groups and will answer some questions regarding the paper.

● Each of the groups in turn will report their answers to everyone else.

[到達目標]

● Students will develop critical thinking in a friendly environment.

● The point is to understand and think about the message which lies at the core of each paper.

● The discussion session will then be an arena to develop students ’ skills to create their own scientific ideas.

● Students will be stimulated to have opinions, comments, criticism, questions.

[授業計画と内容]

● 14 lectures per semester, no midterm/final exam.

● For each lecture papers will be given to students to read for the next week.

ILAS Seminar-E2 :Frontiers in Theoretical Physics I（理論物理学最前線 I ）(2)へ続く↓↓↓

ILAS Seminar-E2 :Frontiers in Theoretical Physics I（理論物理学最前線 I ）(2)

● Students are supposed to read the paper and prepare for the next week.

● Some papers are freshly new papers [from the latest issues of Scientific Amerrcan], others are from previous years.

[履修要件]

特になし

[成績評価の方法・観点]

● The method of evaluation merely comes from the interaction, participation and discussion in class.

[教科書]

使用しない

[参考書等]

（参考書）
授業中に紹介する

[授業外学修（予習・復習）等]

● The students will be given a paper to read a week before class.

● Students are then supposed to learn the material [inside each paper] and be able to present to others, to discuss its content with others, and to answer questions regarding the paper itself.

[その他（オフィスアワー等）]