

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 II (理論物理学最前線 II) ILAS Seminar-E2 :Frontiers in Theoretical Physics II			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	2026・後期	受講定員 (1回生定員)	15 (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	教育院棟演習室24			使用言語	英語
キーワード	Theoretical Physics / 理論物理学 / Astrophysics / 宇宙物理学						
[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 II (理論物理学最前線 II) (2)へ続く↓↓↓

- 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 American], 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）]

[主要授業科目（学部・学科名）]