

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	2026・前期	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	4共10		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]							
<p>New discoveries and problems arise constantly in theoretical physics.</p> <p>We will discuss about the latest achievements, puzzles in the class.</p> <p>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.</p> <p>Students are given a paper to discuss for the next week.</p> <p>The students will be divided into groups and will answer some questions regarding the paper.</p> <p>Each of the groups in turn will report their answers to everyone else.</p>							
[到達目標]							
<p>Students will develop critical thinking in a friendly environment.</p> <p>The point is to understand and think about the message which lies at the core of each paper.</p> <p>The discussion session will then be an arena to develop students ’ skills to create their own scientific ideas.</p> <p>Students will be stimulated to have opinions, comments, criticism, questions.</p>							
[授業計画と内容]							
<p>14 lectures per semester, no midterm/final exam.</p> <p>For each lecture papers will be given to students to read for the next week.</p>							
ILAS Seminar-E2 :Frontiers in Theoretical Physics I (理論物理学最前線 I) (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)】