

授業科目名 <英訳>	ILAS Seminar-E2 :Introduction to life science and scientific discussion (生命科学と科学的議論への誘い) ILAS Seminar-E2 :Introduction to life science and scientific discussion			担当者所属 職名・氏名	医学研究科 助教 Erik WALINDA		
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
開講年度・ 開講期	2018・前期	受講定員 (1回生定員)	10(8)人	配当学年	主として1回生	対象学生	全学向
曜時限	金5	教室	1共21		使用言語	英語	
キーワード	Life / Biophysics / Chemistry / Structure / Biology						
[授業の概要・目的]							
<p>This is an introductory course to life science and biochemistry.</p> <p>It is a tutorial. That means, that after a short introduction by the instructor, students will study and then discuss the material. The material will be provided by the instructor; it is not necessary to buy any books for this class.</p> <p>Discussions are in English and the instructor will provide additional explanations.</p> <p>3D means the three dimensions of space: we will look at images of proteins and nucleic acids to understand them. 4D means space and time: we will also study the motion of the biomolecules.</p>							
[到達目標]							
The goal of the course is to give first year students a chance to study the basics of life science in English in an interactive way.							
[授業計画と内容]							
<ol style="list-style-type: none"> 1. Course Introduction: Studying life 2. Atoms 3. Macromolecules 4. Structural levels in proteins 5. Life in 3D 6. Carbohydrates 7. Lipids 8. Nucleic Acids 9. Vitamins 10. Cells 11. Organelles I 12. Organelles II 13. Organelles III 14. Cytoskeleton 15. Evaluation 16. Feedback 							
ILAS Seminar-E2 :Introduction to life science and scientific discussion (生命科学と科学的議論への誘い) (2)へ続く							

【履修要件】

特になし

【成績評価の方法・観点及び達成度】

Attendance and Active participation [60%]

Assignments (Presentation) [40%]

【教科書】

使用しない

【参考書等】

(参考書)

David Sadava 『Life: the science of biology』

【授業外学習(予習・復習)等】

* Reading of scientific texts in English.

* Preparation of presentations.

【その他(オフィスアワー等)】

Office hour: any time.