

担当教員授業題目	先端科学 I (静岡大学)				担当教員	DUR GAEL	
英文授業名	Frontier Science I				副担当教員		
単位数	2	講義期間	後期	曜日・時限	金 1・2	対象学年	2
授業形態	講義	備考	同時双方向型 (Microsoft Teams を使用)、受講総数 20 名以内				
<p>(1) 授業のねらい</p> <p>Strengthen student knowledge of important breakthroughs in the fields of science. Learn how to identify areas requiring further research and apply case-based reasoning.</p> <p>(2) 授業の概要</p> <p>On successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> <li>- describe and discuss in an informal manner newly reported discoveries;</li> <li>- identify how researchers from different fields solve their research problems;</li> <li>- apply literature search skills to identify and develop a research topic;</li> <li>- practice scientific review through oral presentations;</li> </ul> <p>(3) 授業計画</p> <p>Following the guidance one of the instructors will first present scientific breakthroughs and discuss with students the forefront scientific research in his field. Student can access online videos of presentations given the preceding years for example. The following classes will take the form of seminars. These include presentations from the students illustrating new scientific discoveries or approach in a selected research topic, followed by focused discussion. From the knowledge</p>				<p>(授業計画の続き)</p> <p>acquired along the course, the students will finally provide analysis and commentary on his/her chosen subject.</p> <ol style="list-style-type: none"> <li>1. Guidance and examples of presentations on scientific breakthroughs in different fields [on demand – the class will be available during the first week of the fall semester]</li> <li>2. Face-to-face presentations - First paper - Group 1</li> <li>3. Face-to-face presentations - First paper - Group 2</li> <li>4. Face-to-face presentations - First paper - Group 3</li> <li>5. Face-to-face presentations - First paper - Group 4</li> <li>6. Face-to-face presentations - Second paper - Group 1</li> <li>7. Face-to-face presentations - Second paper - Group 2</li> <li>8. Face-to-face presentations - Second paper - Group 3</li> <li>9. Face-to-face presentations - Second paper - Group 4</li> <li>10. Face-to-face presentations - Third paper - Group 1</li> <li>11. Face-to-face presentations - Third paper - Group 2</li> <li>12. Face-to-face presentations - Third paper - Group 3</li> <li>13. Face-to-face presentations - Third paper - Group 4</li> <li>14. Final presentations - Group 1 and 2</li> <li>15. Final presentations - Group 3 and 4</li> </ol> <p>Students from outside Shizuoka University will present live on Microsoft Teams</p> <p>All activities will be conducted in English.</p> <p>(4) 成績評価の方法</p> <p>Grades will be assessed based on</p>			

<p>(成績評価の方法の続き)</p> <ul style="list-style-type: none"><li>- Participation: number and quality of questions on the presentations of the classmates (15%)</li><li>- Assignment: three presentations along the course (30%)</li><li>- Final presentation (55%)</li></ul> <p>(5) 履修上の注意</p> <p>科学を英語で理解するよう努力すること。</p>	<p>(6) 質問, 相談への対応</p> <p>メール等に対応する。</p>
<p>【教科書】 I will instruct you separately in class</p> <p>【参考書】 None</p>	