Course Name	Integrated Science I		
Semester, Year	Second Semester, 2018	Number of Credits	2 credits
Course level	1000	Course Number	27137
Instructor(s) (Institution)	Osamu SETO (高等教育推進機構)		
Course Objectives	The objective of this course is to let any student, regardless of his and her major, to learn wide and rich scientific knowledge and to be a well-educated person. It is expected that students will establish scientific literacy on various natural phenomena and be able to deal with the scientific aspects of problems in public debate.		
Course Goals	The goal of this course are for student to 1. Not just have collections of knowledge but be able to explain facts and those scientific reasons. 2. Have numeracy and able to develop discussions based on quantitative estimation. 3. Study subjects properly and make reports in ethically correct manner.		
Course Schedule	1. Science as a Way of Knowing 2. Mechanics 3. Mechanics and Newton's law 4. Energy 5. Heat and Entropy 6. Electricity and Magnetism 7. Electricity and Magnetism: Connection 8. Wave and Electromagnetic Radiation 9. Theory of Relativity 10. Atom 11. Quantum Mechanics 12. Atom in Combination: Chemical Bond 13. Atom in Combination: Chemical Reaction 14. Material and their Properties		
Homework	If the tutor gives an assignment, students are supposed to give presentations about it in the next class.		
Grading System	Grades will be based on homework and classroom activities (questions and answers, participation to discussion, presentations about questions and homework) (100%).		
Textbooks / Reading List	Science Matters: Achieving Scientific Literacy Robert M. Hazen and James Trefil Anchor Books 2009 The Sciences: An Integrated Approach James Trefil and Robert M. Hazen Wiley 2010 Additional reading list will be informed in class.		
Websites			
Website of Laboratory			
Additional Information			