HER       Semaster       Spring       Dev/Slot       14:40-16:10         Course Code       VI231F76       Course Numbering       SCH-PCRB1E       Period       Apr. 8 – Jul. 22, 2019         Instructor       (Prof.)       (Prof.)       (Prof.)       (Prof.)       Building       Physical Schemestry         Class subject       A. Morita, F. Misaizu, S. Ye, N. Kishimoto       Building       Physical Schemistry Annesz         Class subject       Cass subject       Credits       2       Class Room       Room209         Class subject       Physical Chemistry       To control and summary of class       Room209       Room209         Modern physical Chemistry is the basis of applied science and engineering. Reaction kinetics is useful in a variety of chemical reactions occurring in our environment. Spectroscopy is an essential tool in life science and material science. In this course, essential subjects in physical chemistry will be given by four different lectures who are experts of modern physical chemistry.       Period       App. 8 – 101. 22, 2019         In order to understand chemical reaction and spectroscopy, one has to learn the fundamentals of quantum chemistry.       Contents and progress schedule of class       Outline (3-4 weeks each) : 1) Computational chemistry         J Computational chemistry       Basic concepts of computational chemistry.       Schedule of Gase. The Reakes of Chemical Reactions, Hoerises of Chemical Reactions         J Computational	Subject (English		cal Chemistry			Spring	Day/Slot	Mon. / 4 <sup>th</sup> 14:40-16:10		
Code         VI231 / b         Numbering         SCH-PCH801E         Penod         Apr. 8 - Jul. 22, 2019           Instructor (Porf.)         A. Morita, F. Misaizu, S. Ye, N. Kishimoto (Porf.)         Campus         Aobayama kita           Building         Physics & Chemistry Annex         Building         Physics & Chemistry Annex           Object and summary of class         Creatis         2         Class Room         Room209           Object and summary of class         Outer environment. Spectroscopy is an essential tool in life science and material science. In this course, essential subjects in physical chemistry will be given by four different lectures who are experts of modern physical chemistry.         Readmatherial science: and material science. In this course, essential subjects in physical chemistry will be given by four different lectures who are experts of modern physical chemistry.           Rewords         quantum chemistry, reaction dynamics, spectroscopy, statistical thermodynamics         Gool of study           In order to understand chemical reaction and spectroscopy, one has to learn the fundamentals of quantum chemistry and statistical thermodynamics.         Computational chemistry           Outline (3-4 weeks each) : 1) Computational chemistry         Sectroscopt is an essential tool in life science and and thermistry and yabical chemistry           Quantum theory, Atomic orbitals, Many electron atoms, Molecular orbitals         3) Reaction kinetics and dynamics         Sectroscopt and dynamics           Quantum theory, Atomic o		2/11年11	七学		Semester					
Instructor       A. Molina, P. Misaidu, S. P. N. Kislinitoto         Instructor       A. Molina, P. Misaidu, S. P. N. Kislinitoto         Faculty       Faculty of Science       Credits       2       Class Room       Room209         Class subject       Physical Chemistry       Uperand       Science       Interview       Physical Chemistry is the basis of applied science and engineering. Reaction kinetics is useful in a variety of chemical reactions occurring in our environment. Spectroscopy is an essential tool in life science and material science. In this course, essential subject is physical chemistry.         Keywords       Quantum chemistry, reaction dynamics, spectroscopy, one has to learn the fundamentals of quantum chemistry will be even by four different lectures who are experts of modern physical chemistry.         Contents and progress schedule of class       Outline (3-4 weeks each):         Outline (3-4 weeks each):       Image: Schedule of class         Outline (3-4 week		VJ231	/6		SCH-PCH8	SCH-PCH801E		Apr. 8 – Jul. 22, 2019		
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Class subject       Physical Chemistry         Object and summary of class       Object and summary of class         Modern physical chemistry is the basis of applied science and engineering. Reaction kinetics is useful in a variety of chemical reactions occurring in our environment. Spectroscopy is an essential tool in life science and material science. In this course, essential subjects in physical chemistry will be given by four different lectures who are experts of modern physical chemistry.         Keywords       quantum chemistry, reaction dynamics, spectroscopy, one has to learn the fundamentals of quantum chemistry and statistical thermodynamics.         Contents and progress schedule of class       Outline (3-4 weeks each) :         Outline (3-4 weeks each) :       1) Computational chemistry         Basic concepts of computational chemistry, electronic structure, molecular simulation       2) Quantum chemistry         Quantum chemistry       Quantum chemistry and application       3) Reaction kinetics and dynamics         Kinetic Theory of Gases, The Rates of Chemical Reactions, Theories of Chemical Reactions       4) Current topics in physical chemistry         Spectroscopy and application       Any textbook with the title including "physical chemistry" will be fine.         Each of the lecturers may have one's favorite textbooks and study-aid books.       These will be evaluated by each lecturer with attendance, short tests, or reports depending on the lecturer, which will be explained during the lectures.         Schedule       1       2       3       4 <td></td> <td></td> <td colspan="3"></td> <td colspan="2"></td> <td colspan="2">Physics &amp; Chemistry Annex</td>								Physics & Chemistry Annex		
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