Subje	ct									
(Englis	English)		lechanical Vibrations I		Semes	- Semester	Fall* Quarter Subject	Day/Slot	Mon. / 2 nd 10:30-12:00 Fri. / 2 nd 10:30-12:00	
科目名 (日本語	1 A210		械力学 I		Semes					
Code	Course TE		314025 Cou		ring TMA-MEE		213	Period	Oct. 4, 2019 – Nov. 22, 2019*	
Instructor (Post)			·			is a Quarter Subject . sure not to conflict with courses.		Campus	Aobayama	
		Mitsuhiro HAYASHIBE (F		-	lake sure not ther courses.			Building	Mechanical Engineering Research Bld. No. 2	
:		Schoo	chool of Engineering		Credits		2	Class Room	2-214 (2 nd floor)	
Class subject To acquire fundamental knowledge regarding dynamic problems which may arise in machinery.										
Object and summary of class										
To learn dynamic characteristics of the systems with one, two and multi degrees of freedom obtained by modeling										
machinery. Keywords -										
Goal of study										
To acquire the ability to apply the knowledge obtained in this class to engineering design.										
Contents and progress schedule of class										
No.	Date		Contents							
1	10/4	Int	Introduction and fundamental mathematics							
2	10/5	Fre	Free vibrations of one-degree-of-freedom systems (I)							
3	10/7	Fre	Free vibrations of one-degree-of-freedom systems (II)							
4	10/11	Fre	Free vibrations of one-degree-of-freedom systems (III)							
5	10/14	Fo	Forced vibrations of one-degree-of-freedom systems							
6	10/19	Fre	Free vibrations of one-degree-of-freedom systems with viscous damping (I)							
7	10/21	Fre	Free vibrations of one-degree-of-freedom systems with viscous damping (II)							
8	10/25	Fre	Free vibrations of one-degree-of-freedom systems with viscous damping (III)							
9	10/28	Fo	Forced vibrations of one-degree-of-freedom systems with viscous damping							
10	11/1	Fre	Free vibrations of two-degree-of-freedom systems (I)							
11	11/8	Fre	Free vibrations of two-degree-of-freedom systems (II)							
12	11/11	Fo	Forced vibrations of two-degree-of-freedom systems							
13	11/15	Vil	Vibrations of multi-degree-of-freedom systems							
14	11/18	Su	Summary							
15	11/22									
Preparation Fundamental knowledge on Mathematics I and Mechanics are required.										
Record and evaluation method - Machanical Vibrations CL (5th Edition)										
Toyth	ook and	l refor	· · · · · · · · · · · · · · · · · · ·			/ibrations SI (5th Edition) chanical Vibrations S. G. Kelly				
lexit	JOOK all	reier			an Introduction to Mechanical Vibrations, (3rd Edition) R. F. Steidel, Jr.					
Self s	study			puired to review each class for one to two hours. If there remain any parts they and, they should ask questions.						

In addition