

Subject (English)	Introductory Courses of Experimental Research in Physics III		Semester	Fall	Day/Slot	Mon. & Tue. /3 rd – 4 th 13:00 - 16:10				
科目名 (日本語)	物理学実験Ⅲ									
Course Code	VJ223F75	Course Numbering	SPH-PHY301E		Period	Nov. 12*, 2019 - Jan. 21, 2020 *Important: See [Contents]				
Instructor (Post)	M. YOSHIZAWA, <i>et al.</i> (Prof.)			Campus	Aobayama					
				Building	Science Complex B, et al.					
Faculty	Faculty of Science		Credits	2	Class Room	Each Laboratory				
Class subject	Experimental Research in Physics									
Object and summary of class	Experiments are very important for development of new physics. Based on basic knowledge of physics, students experience introductory experiments of leading researches.									
Keywords	physics, experiment, basic research									
Goal of study	The goal of this program is to let students experience basic research of experimental physics.									
Contents and progress schedule of class	<p>Students are required to perform two subjects from (a) through (f) listed as below. Six subjects are opened for JYPE course this year.</p> <ol style="list-style-type: none"> Experimental Nuclear and Particle Physics <ul style="list-style-type: none"> (a) Experimental Particle Physics (Research Center for Neutrino Science) (b) Experimental Nuclear Physics Condensed Matter Experiment <ul style="list-style-type: none"> (c) Photoemission Solid-State Physics (d) Solid State Physics on Nano-Network Solids (e) Soft Matter Biophysics (f) Ultrafast Spectroscopy <p>Schedule</p> <ol style="list-style-type: none"> Entry and assignment of subjects Students are requested to contact Prof. M. Yoshizawa by Email (m-yoshizawa@tohoku.ac.jp) for entry to the course by Oct. 7. Assignment of the subjects is done by office considering capacity and request of the students. The first subject November 12 - December 10 The second subject December 16 – January 21 									
Schedule										
No.	1	2	3	4	5	6	7	8	9	10
Date	11/12	11/18	11/19	11/25	11/26	12/2	12/3	12/9	12/10	12/16
No.	11	12	13	14	15	16	17	18		
Date	12/17	12/23	12/24	1/6	1/7	1/14	1/20	1/21		
Preparation	Nothing special									
Record and evaluation method	Attendance to the experiments 50%, oral examinations and/or reports 50%									
Textbook and references	Textbook and references will be introduced by each professor.									
Self study	Nothing special									
In addition	-									