

Division of Environmental Design	Research field	Soil Mechanics	Lab. ID
Laboratory web site			ED06
Research subjects			
<p>The soil ground is composed of soil particles, water, air, then the modeling of ground is very difficult. At this laboratory, study on the modeling for three phase material, the development of site measuring system for soil water to investigate slope failure, and the methodology to make hazard map including soil characteristics. In the last theme, we also consider the geological and topological features using GIS system.</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>Once a week, all students make presentation about individual investigation.  In First term, study about the background of individual theme mainly, and make plan to thesis.  In Second term, make some light paper to oral presentation.  In third term, fix individual study plan, and proceed.  In forth term, write the master thesis.</p>			
Daily life in the laboratory, etc.			
<p>Once a week, seminar will be held.  There are some filed works such as geological survey and measurement of ground water level.</p>			
Message or comments by the laboratory faculty staffs			
<p>Mater course is not the same as bachelor course, the high specialty is required.  Students are needed to study about background for their study theme also.  In this laboratory, the wide skill will be learned from programing to site investigation.</p>			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.3	A study on the estimation method of levee damages in earthquake considering the soil layer structure of levee and its foundation.		
2003.3	The development of new DEM considering interaction between soil particles and pore water flow		
2003.3	The possibility of new PS logging method using SPT blow.		
Recent Doctoral theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
Laboratory mail address	takahara *at* staff.kanazawa-u.ac.jp		