

01AD111 Introduction to Environmental Sciences/ 01AD112 Exercises in Environmental Sciences/ 01AD113 Field and Laboratory Works  
 Fall Semester 2017 Wednesday

Week	1	2	3		4	5	
Date	Oct. 4	Oct. 11	Oct. 18	Oct. 25	Nov. 8	Nov. 15	
<b>01AD111</b> Introduction to Environmental Sciences 08:40 – 09:55	<b>Lecture 1</b> Course orientation Mizunoya	<b>Lecture 2</b> Environmental issues and environmental sciences Miyamoto	<b>Lecture 3</b> Utilization of wastes as resources Zhang	Cancelled Interim presentation conference (for 2nd year students entered in April 2016)	<b>Lecture 4</b> Lecture on Mt Tsukuba Climate & Hydrology Tsujimura	<b>Lecture 5</b> Public health, Public welfare policy Shinkai, Kumagai	
	<b>01AD112</b> Exercises in Environmental Sciences 10:10 – 11:25	Guidance Course orientation Mizunoya	Information ethics INFOSS & information ethics Villareal, Takekawa		Waste management Lecture on waste management Kajiyama, Yabar	Elective field study (1) Mt Tsukuba field trip	Field study preparation (2) Group work (topic selection, preliminary research) Mizunoya, Yabar, Lei
<b>01AD113</b> Field and Laboratory Works on Environmental Sciences 12:15 –	Field study preparation (1) Grouping, topic selection Mizunoya, Yabar, Lei	Information ethics INFOSS & information ethics Villareal, Takekawa	Campus waste management Visit on-campus waste management facility Kajiyama, Yabar				Field study preparation (2) Group work (topic selection, preliminary research) Mizunoya, Yabar, Lei

Week	6	7	8	9	10
Date	Nov. 22	Nov. 27 (Wed class)	Dec. 6	Dec. 13	Dec. 20
<b>01AD111</b> Introduction to Environmental Sciences 08:40 – 09:55	<b>Lecture 6</b> Lake environments and ecosystem Hama	All-day field work 8:00~18:00 Kasumigaura field trip Mizunoya, Yabar, Lei	<b>Lecture 7</b> A history of Japanese industrial pollution Matsui	<b>Lecture 8</b> Land use change, forest decline, Environmental conservation Yoshino	<b>Lecture 9</b> Conservation of ecosystem, Introduced species, Biodiversity Yokoi
	<b>01AD112</b> Exercises in Environmental Sciences 10:10 – 11:25		Vegetation survey How to identify plant species and approach to the study of vegetation Hirota, Kawada	Presentation preparation Analysis of Kasumigaura field trip and presentation proposals Mizunoya, Yabar, Lei	Data processing/share How to organize/share research data (thesis, data analysis, plagiarism) Nasahara
<b>01AD113</b> Field and Laboratory Works on Environmental Sciences 12:15 –	Elective field study (2) Observing and describing plant species and vegetation structure Hirota, Kawada		Elective field study (3) Measurement of atmospheric nitrogen dioxide in Tsukuba City Shinkai, Kumagai	Data processing/share Data management practice Nasahara	

Nov. 1 (Wed): Friday Classes  
 Nov. 27 (Mon): Wednesday Classes