



10th Advanced Fieldcourse in Ecology and Conservation, XTBG

15 Oct - 26 Nov, 2018

Schedule

Date	Day	Time	Activity	Place/Staffs
<b>12-14</b>			<b>Arrival and registration</b>	<b>Boshida hotel</b>
		Whole day	Pick-up from airport, SIM card, money exchange, Check-in hotel	LJX, SZ
14	Sun	16: 30-18: 30	Frisbee in front of museum	KT, LJX, etc.
<b>15 Mon</b>			<b>Orientation and get to know each other</b>	
		08: 20-08: 30	Meet at the lobby of the hotel	Boshida Hotel
		08: 30-09: 15	Visit local market and get familiar with the town and XTBG	RTC, ACH, LJX, SZ
		09: 30-11: 50	XTBG garden tour by E-cars	RTC, ACH, LJX, SZ
		13: 30-17: 00	Students introductions (5 minutes each)	
		17: 00-17: 40	Course arrangements and distribute bikes	LJX, SZ
<b>16 Tue</b>			<b>Opening ceremony</b>	<b>Conference hall+Meeting room 1</b>
		9:00	Introduce the guests and students	LJX
		9:15	Course introduction	RTC
		9:30	Remark and introduction about XTBG and course opening	HHB
		10:00	Group photo and tea break	ZRB
		10: 30-11: 50	L: The ecology and biogeography of Tropical East Asia	RTC
		13: 00-14: 00	P: Students' own work presentation (10 students, 5 mins each)	RTC, KT, ACH, AN, CZQ, LH, LJX, etc.
		14: 20-16: 00	L: The biodiversity crisis in tropical East Asia	RTC
		16: 20-17: 50	L: The role of Botanical Gardens in plant biodiversity conservation	CJ
		19: 00-21: 00	L: History and development of modern conservation biology	RTC
<b>17 Wed</b>			<b>Theme: Tropical Environments and Ecosystems of East Asia</b>	<b>Meeting room 1</b>
		09: 00-11: 50	L: The forest, plantations and major crops of Tropical East Asia	RTC
		13: 00-14: 20	L: The savanna of Tropical East Asia	KT
		14: 30-17: 50	T: Rainforest and limestone forest visit	RTC, KT, SSC, LJX, etc.
		19: 00-21: 00	P: Students' own work presentation (15 students, 5 mins each)	RTC, KT, ACH, AN, CZQ, LH, LJX, etc.
<b>18 Thu</b>			<b>Theme: Academic skills (part 1)</b>	<b>Meeting room 1</b>
		09: 00-11: 50	L: Literature types, searching and management, reading	RTC
		13: 00-14: 00	P: Students' own work presentation (8 students, 5 mins each)	RTC, KT, LJX, etc.
		14: 00-17: 50	P: Literature searching, reading_practical (group)	RTC
		19: 00-21: 00	P: Literature searching, reading_practical (group) result presentation	RTC, KT, ACH, AN, CZQ, LH, LJX, etc.
<b>19-21</b>			<b>Workshop: Climate change biology</b>	<b>Meeting room 1</b>
		09: 00-11: 50	Workshop	RTC
		14: 00-17: 50	Workshop	RTC
		19: 00-21: 00	P: Literature searching, reading_practical (group)	RTC
<b>22(pm) Mon</b>			<b>Know more about XTBG</b>	<b>Meeting room 1</b>
		15: 00-17: 50	XTBG international student policy introduction and research group visit	YYR, LR, etc.
<b>23-25</b>			<b>Workshop: Soil ecology and spider ecology</b>	<b>Meeting room 1</b>
23	Tue	09: 00-10: 30	L: Introduction to soil science and global soil functions	GA
		10: 30-11: 50	L: Soil description, classification and soil sampling in the field L: Soil structure and properties (C, N, pH)	GA
		13: 00-14: 00	L: Explaining practical arrangements and go to the practical site	GA, etc.
		14: 00-17: 50	P: Description soil in the field, soil sampling for further analyses P: Determination of main soil properties (C,N, pH, density)	GA, etc.
		19: 00-21: 00	L: The application of thermal camera in ecology research	LH
24	Wed	09: 00-10: 30	L: Soil organisms	GA
		10: 30-11: 50	L: Soil microorganisms and their contribution to C, N cycles	GA
		13: 00-14: 00	L: Methods to study microbial processes in soil	GA, etc.
		14: 00-17: 50	P: Paper reading and discussion	GA, etc.
		19: 00-21: 00	L: Uses of drones in ecology and conservation	LJX
25	Thu	09: 00-10: 30	L: Methods to study microbial community structure - part 1.	GA
		10: 10-11: 50	L: Methods to study microbial community structure - part 2.	GA
		13: 00-15: 00	P: Laboratory visit	GA, etc.
		15: 30-17: 50	L+P: Spider biology	CZQ
		19: 00-21: 00	T: Night safari to rainforest	CZQ, KT, LJX, etc.
<b>26-31</b>			<b>Theme: Experimental design and Statistics in R</b>	<b>Meeting room 1</b>
		09: 00-11: 50	L&P: Experimental design and Statistics in R	KT, BOP
		14: 00-17: 50	L&P: Experimental design and Statistics in R	KT, BOP
		19: 00-21: 00	Self-practice and learning of R	KT, LJX, etc.

<b>1</b>	<b>Thu</b>		<b>Theme: Plant-animal interaction</b>	<b>Meeting room 1</b>
		09: 00-11: 00	L: Plant-animal interactions: with a focus on seed dispersal	<i>RTC</i>
		11: 00-11: 50	L: Pollination ecology methods	<i>TS</i>
		13: 00-17: 50	P: Seed dispersal practical	<i>RTC</i>
		13: 00-17: 50	P: Pollination ecology_practical	<i>TS</i>
		19: 00-21: 00	P: Plant-animal interaction_practical data analysis	<i>RTC, TS</i>
<b>2-4</b>			<b>Theme: Entomology ecology</b>	<b>Meeting room 1</b>
<b>2</b>	<b>Fri</b>	09: 00-11: 00	L: Insect community ecology and sampling techniques	<i>AN</i>
		11: 00-11: 50	P: Insect sampling practical near research centre	<i>AN, etc.</i>
		13: 00-17: 50	P: Insect sampling practical in rubber plantation and rainforest	<i>AN, etc.</i>
		19: 00-21: 00	P: Light trap set-ups	<i>AN, etc.</i>
<b>3</b>	<b>Sat</b>	09: 00-11: 50	L: How do we measure and study biological diversity? (Part 1)	<i>AN</i>
		13: 00-17: 50	L: How do we measure and study biological diversity? (Part 2)	<i>AN, etc.</i>
		19: 00-21: 00	P: Insect sorting, pinning and identification	<i>AN, etc.</i>
<b>4</b>	<b>Sun</b>	09: 00-11: 50	P: Insect identification continues	<i>AN</i>
		13: 00-17: 30	L+P: Community ecology workshop	<i>AN, etc.</i>
		17: 30-18: 30	L: Bubeng plot introduction + bubeng trip arrangement	<i>CH, LJX</i>
<b>5-6</b>			<b>Bubeng trip</b>	<i>CH, SL, ACH, ZMX, LJX, etc.</i>
<b>5</b>	<b>Mon</b>	8:00	Leave the hotel by bus to Bubeng	
		10:00	Arrival and check in at Bubeng station	
		10: 30-12: 00	P: Visit Bubeng plot	<i>CH, SL, ZMX, LJX, etc.</i>
		13: 30-16: 30	P: Visit canopy crane	<i>CH, SL, ZMX, LJX, etc.</i>
		17: 00-18: 00	L: Canopy crane introduction and canopy ecology	<i>SL</i>
		19: 00-21: 00	L: Bird ecology and bird watching practical explain	<i>ZMX, etc..</i>
<b>6</b>	<b>Tue</b>	07: 30-10: 00	P: Bird watching along the road close to Bubeng station	<i>ZMX, etc.</i>
		14: 30-17: 00	P: Visit Mengyuan cave	<i>ACH etc.</i>
<b>7</b>	<b>Wed</b>		<b>Conservation role play and bat ecology</b>	
		09: 00-11: 50	P: Student grouping, role assignment, materials reading	<i>ACH</i>
		13: 00-15: 00	P: Debating	<i>ACH</i>
		15: 00-17: 30	L: Brilliant bats_Bat ecology, ID and sampling	<i>ACH</i>
		19: 00-23: 00	P: Bat trapping and acoustic transects	<i>ACH etc.</i>
<b>8-11</b>			<b>Theme: Species distribution modelling</b>	<b>Meeting room 1</b>
		09: 00-11: 50	L+P: Species distribution modelling	<i>ACH</i>
		14: 00-17: 50	L+P: Species distribution modelling	<i>ACH</i>
		19: 00-21: 00	L+P: Species distribution modelling	<i>ACH</i>
<b>12(pm)-25</b>			<b>Independent project</b>	<b>Meeting room 1</b>
			<b>Project preparation (12pm-14)</b>	<b>Meeting room 1</b>
<i>12(pm)</i>	<b>Mon</b>	15: 00-15: 30	L: Why we have "Independent project"?	<i>RTC</i>
		15: 30-16: 00	L: Mentors introduce their suggested projects	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		16: 00-17: 50	P: Students grouping and talk interested projects with mentors	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		19: 00-22: 00	P: Student groups prepare project proposal and make PPT	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
<b>13</b>	<b>Tue</b>	09: 00-11: 00	P: Student groups prepare project proposal and make PPT	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		11: 00-11: 50	P: Project proposal PPT presentation_1st round (5-10 mins each group)	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		13: 00-17: 00	P: Student groups improve project proposal and PPT	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		17: 00-17: 50	P: Project proposal PPT presentation_2nd round (5-10 mins each group)	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		19: 00-22: 00	P: Project proposal finalization and list the equipment needed	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
<b>14</b>	<b>Wed</b>	09: 00-11: 50	Get equipment and start to familiar with the study sites, etc.	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		14: 00-17: 50	Get equipment and start to familiar with the study sites, etc.	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		19: 00-22: 00	Discussion and problem solving	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
			<b>Data collection (15-20) and Data analysis (21-22)</b>	<b>Meeting room 1</b>
		19: 00-21: 00	Discussion and problem solving	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
<b>21</b>	<b>Wed</b>	19: 00-21: 00	<b>Theme: Academic skills (part 2)_Scientific writing</b>	<i>RTC</i>
<b>22</b>	<b>Thu</b>	19: 00-21: 00	<b>Theme: Academic skills (part 2)_Scientific presentation skills</b>	<i>RTC</i>
			<b>PPT preparation and project report writing (23-25)</b>	<b>Meeting room 1</b>
		19: 00-21: 00	Discussion and problem solving	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
<b>26</b>	<b>Mon</b>		<b>Course symposium</b>	<b>Conference hall</b>
		9: 40-11: 50	Independent project presentation	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
		14: 00-18: 00	Independent project presentation, course evaluation and closing ceremony	<i>RTC, KT, ACH, AN, TS, CZQ, LH, LJX, etc.</i>
<b>27</b>	<b>Tue</b>	<i>Whole day</i>	<b>GO HOME</b>	

ACH: Alice Hughes; AN: Akihiro Nakamura; CH: Hui Chem 陈辉; CJ: Jin Chen 陈进; CZQ: Zhan-Qi Chen 陈占其; GA: Gunina Anna; HHB: Hua-Bin Hu 胡华斌; KT: Kyle Tomlinson; BOP: Bonifacio O. Pasion; LH: Hua Lin 林华; LJX: Jing-Xin Liu 刘景欣; SZ: Zhe Song 宋哲; RTC: Richard Corlett; SL: Liang Song 宋亮; TS: Tuanjit Sritongchuay; YYR: Ying-Run Yang 样莹润; LR: Ren Li 李仁; SSC: Shi-Cheng Shao 邵士成; ZMX: Ming-Xia Zhang 张明霞; ZRB: Ren-Bin Zhu 朱仁斌