

## Program of the 31st UNESCO-IHP Online Training Course

Date	Time	Contents	Lecturer(s)
13-Dec Mon	13:00-15:30	Opening ceremony, self-introduction and country report	T. Hori/M. Saber
	15:30-17:00	<b>Lecture 1:</b> Fundamentals of basin-scale hydrological analysis	Y. Ichikawa
14-Dec Tue	10:00-11:30	<b>Lecture 2:</b> Resilient society development under changing climate	K. Takara
	12:30-14:00	<b>Lecture 3:</b> UNESCO-IHP and water resources prediction under changing climate in Asia	Y. Tachikawa
	14:30-16:00	Confirmation of installing the required softwares	M. Saber
15-Dec Wed	10:00-11:30	<b>Lecture 4:</b> Fundamentals of land surface processes	K. Tanaka
	12:30-14:00	<b>Exercise 1:</b> Processing method of meteorological and geographical data (parallel session for trouble shooting)	K. Tanaka & K. Yorozu
	14:30-16:00	<b>Exercise 2:</b> Processing method of meteorological and geographical data (parallel session for trouble shooting)	K. Tanaka & K. Yorozu
	16:30-18:00		
16-Dec Thu	10:00-11:30	<b>Lecture 5:</b> Fundamentals of rainfall-runoff-inundation modelling	T. Sayama
	12:30-14:00	<b>Exercise 3-1:</b> Rainfall-runoff-inundation modelling	T. Sayama
	14:30-16:00	<b>Exercise 3-2:</b> Rainfall-runoff-inundation modelling	T. Sayama
	16:30-18:00	<b>Exercise 3-3:</b> Rainfall-runoff-inundation modelling	Trainees
17-Dec Fri	10:00-11:30	<b>Lecture 6:</b> Fundamentals of optimum reservoir operation	T. Hori
	12:30-14:00	<b>Exercise 4:</b> Optimum operation of reservoir systems	T. Hori
	14:30-16:00		S. Kim
	16:30-18:00	<b>Exercise 5:</b> Statistical downscaling of GCM output	
18-Dec Sat	Full-day	<b>Exercise 6:</b> Self-paced practicing of RRI and modelling the target river basin	Trainees
19-Dec Sun	Full-day	<b>Field visit</b> (select the target local river basin)	Trainees
20-Dec Mon	10:00-11:30	<b>Lecture 7:</b> Climate changes impact prediction on disaster environments	E. Nakakita
	12:30-14:00	<b>Lecture 8:</b> Fundamentals of hydrological extreme analysis	
	14:30-16:00		S. Tanaka
	16:30-18:00	<b>Exercise 7:</b> Hydrological extreme analysis	
21-Dec Tue	10:00-11:30	<b>Lecture 9:</b> Hydrological measurements of large river basins	S. A. Kantoush
	12:30-14:00	<b>Exercise 8:</b> Follow-up of exercises with Q & A session (parallel session for each exercise)	T. Hori, K. Tanaka, S. Kim, T. Sayama
	14:30-16:00		
22-Dec Wed	10:00-11:30	<b>Lecture 10:</b> Integrated sediment management for reservoir sustainability	T. Sumi
	12:30-14:00	<b>Lecture 11:</b> Management of river ecosystem under changing climate	Y. Takemon
	14:30-16:00	<b>Exercise 9:</b> Follow-up of exercises with Q&A session (parallel session for each exercise)	T. Hori, K. Tanaka S. Kim, T. Sayama
	16:30-18:00		
23-Dec Thu	10:00-11:30	Report presentation by each participant	T. Hori/M. Saber
	12:30-14:00		
	14:30-16:00		
	16:30-18:00	Closing ceremony	T. Hori/M. Saber