

## PEAK ES Senior Division Curriculum

The following table lists the majority of senior division environmental science courses available. This is not an exhaustive list - course availability can change from year to year. This table can be used to obtain course descriptions from the University of Tokyo online course catalog, which can be accessed using the following link.

<http://catalog.he.u-tokyo.ac.jp/index>

Study area	Subject	Course Professor(s)
Core Topics	Materials Chemistry	M. Onaka, S. Uchida
	Statistics	R. Shefferson
	Environmental Assessment and its Method	A. Tanaka
	Civilization and Technologies	Y. Hagiwara
	Environmental Issues in Japan	S. Seino
	Professional Ethics	K. Itami
Environmental Principles	Science, Technology and Society	Y. Fujigaki/L.Dilley
	Environmental History and Philosophy	T. Hashimoto, K. Ishihara
	Technology and Sustainable Development	T. Mino, Y. Oshima, T. Sato, S. Warisawa
	Environmental Risk Management	H. Matsuda
	Special Lecture on Environmental and Safety Principles	T. Lennerfors (Uppsala University, Sweden)
Management and Policy	Contemporary Environmental Issues	Y. Hirono, M. Domae, N. Morishita
	Law and the Environment	H. Ushijima
	Environmental Economics	M. Maruyama
	Economic Policy Analysis	A. Maeda
	Development and the Environment	J. Sato
	Environmental Sociology	N. Morishita
Measurement and Evaluation	Biodiversity and Ecosystem	M. Shimada, M. Ito, T. Yoshida, R. Shefferson
	Simulation Methods	N. Kakimura
	Environmental Measurement I	M. Matsuo, J. Woodward
	Environmental Measurement II	W. Takeuchi, K. Oki
	Thermodynamics for Environmentology	S. Fukatsu
	Environmental Informatics	A. Fukunaga
	Environmental Hygienics	K. Mizumoto
	Operations Research	N. Kakimura
	Special Lecture on Environmental Measurement and Evaluation	D. Casenove
Materials, Systems and Dynamics	Chemistry for Environmental Studies	J. Woodward
	Evolution of Matter and the Universe	H. Umeda
	Earth System Science I	H. Nakamura, Y. Kosaka
	Earth System Science II	T. Oki, K. Oki
	Earth System Science III	T. Okabe
	Earth System Science IV	A. Sakota
	Special Lecture on Materials Systems and Dynamics	Y. Yokoyama, E. Oka, H. Kayane, Y. Kondo
Energy and Resources	Advanced Energy Science and Engineering	A. Tsutsumi, Y. Kansha
	Energy Technology and Natural Resources I	Y. Okada
	Energy Technology and Natural Resources II	T. Kubo, M. Matsumoto
	Energy Technology and Natural Resources III	N. Goto
	Energy and Environmental Engineering	Y. Iwafune
	Special Lecture on Energy and Resources	M. Onaka, S. Uchida
Health and Safety/ Urban Planning	Food Safety and Risk Analysis	H. Hosono, T. Yamakawa, T. Sekizaki, S. Kyuwa
	Modern Food Consumption	Y. Nakashima, T. Misaka, K. Imou, Y. Saito, T. Araki
	Policy and Technology of Food Production	N. Suzuki, S. Ninomiya, K. Okada, T. Takano, H. Kurokura
	Sustainable Social-Ecological Systems	T. Okuro, S. Tsuyuki, T. Tatsuhara, N. Yagi
	Human Population Dynamics	J. Cohen (Rockefeller Univ. USA)
	Health Science and the Environment	K. Mizumoto
	Special Lecture on Health and Security	M. O'Brien
	Urban Planning Technology I	T. Oguchi
	Urban Planning Technology II	K. Meguro
Skills, Fieldwork and Laboratory Work	Scientific Writing and Presentation Skills	J. Woodward, R. Shefferson
	Fieldwork and Case-studies for Environmental Sciences I	J. Nagata, E. Nishizawa
	Fieldwork and Case-studies for Environmental Sciences II	K. Mizumoto
	Fieldwork and Case-studies for Environmental Sciences III	M. Shimada
	Special Lecture Series on Environmental Sciences (Practicals in Biology, Chemistry and Physics)	M. Sato, Y. Nakamura, M. Omi ( Part 1)
		F. Fukatsu, M. Onaka, Y. Nakamura, M. Omi ( Part 2)
J. Woodward, R. Shefferson ( Part 3)		