

Advanced Seminars in Bioproduction Science (Japanese)		Date and Time	Lecturer	University	Lecture Title (Japanese)	Lecture Title (English)
Tuesday, July 17, 2018	AM	9:00-12:10	SANO, Hiroaki	Iwate	アジアにおける畜産業と環境保全	Livestock Industry and Environmental Conservation in Asia
	PM	13:30-16:40	MAEDA, Tomoo	Hirosaki	野菜における二次代謝産物の生合成とその制御	Biosynthesis of secondary metabolites and its control in vegetables
Wednesday, July 18, 2018	AM	9:00-12:10	KOBAYASHI, Takashi	Yamagata	有機農業における作物病害防除	Crop disease management in organic agriculture
	PM	13:30-16:40	MORI, Masahiko	Obihiro	「北海道における作物育種-アズキを例に-	Breeding of crop plants in Hokkaido. - Adzuki bean -

Advanced Seminars in Bioresources Science (Japanese)		Date and Time	Lecturer	University	Lecture Title (Japanese)	Lecture Title (English)
Thursday, July 19, 2018	AM	9:00-12:10	TSUKAMOTO, Chigen	Iwate	大豆サポニンの科学	Science of the soybean saponin
	PM	13:30-16:40	SAKAMOTO, Kimitoshi	Hirosaki	ミトコンドリアによる細胞のエネルギー生産の原理	The principle of energy production by mitochondria for the cell
Friday, July 20, 2018	AM	9:00-12:10	SHIONO, Yoshihito	Yamagata	生体活性物質を生産する微生物の探索	Screening for microorganism producing biologically active compounds
	PM	13:30-16:40	HAN, Kyuho	Obihiro	生活習慣病に対する農産物および副産物の予防効果	Prevention effect of agriculture products and by-products on lifestyle-related diseases

Advanced Seminars in Regional Environment Creation (English)		Date and Time	Lecturer	University	Lecture Title (Japanese)	Lecture Title (English)
Wednesday, November 21, 2018	AM	9:00-12:10	HAMAGAMI, Kunihiko	Iwate	農業水利施設の諸問題に関する水理学的検討	Hydraulic study on various problems of agricultural irrigation facilities
	PM	13:30-16:40	TAKANASHI, Fumie	Hirosaki	農産物流通と農協	Distribution of Agricultural Products and Cooperatives
Thursday, November 22, 2018	AM	9:00-12:10	WATANABE, Kazuya	Yamagata	我々を取り巻く水環境について	Science for Water Environment around us
	PM	13:30-16:40	MUNEOKA, Toshimi	Obihiro	農林地流域の河川水質環境と土地利用評価	River water quality and land use in agricultural and forest watersheds

## Place:

- Obihiro University of Agriculture and Veterinary Medicine; Meeting Room (E2503), 2nd Floor, General Research Building I
- Hirosaki University; SCS Room, 3rd Floor, Faculty of Agriculture and Life Science Building
- Iwate University; Satellite Lecture Room, 2nd Floor, United Graduate School of Agricultural Sciences Building
- Yamagata University; Room 302, 3rd Floor, Faculty of Agriculture Building 3.
- \* The lectures will be conducted using Satellite Lecture System.

## \* Precautions for taking the seminars

You will earn one credit by attending every four seminars in two days in this academic year.

You cannot earn a credit if you take four seminars in another specialty (e.g. two Bioproduction seminars and two Bioresources seminars).

You also cannot earn a credit if you take seminars in another two years.