

**Graduate School of Information Sciences**  
**Academic Year of 2020**  
**Subject List for 3 years Doctoral Course**

**Compulsory/Optional subjects**

Please follow the requirement of each laboratory or program you belong to.

Subject	Term	Department	Instructor	Compulsory/ Optional
Fundamental Doctor Course Seminar	—	All departments (Except LITNEX Course)	—	Compulsory
Doctor Course Seminar A	—	All departments (Except LITNEX Course)	—	Compulsory
Doctor Course Seminar B	—	All departments (Except LITNEX Course)	—	Compulsory
Advanced Doctor Course Seminar	—	All departments (Except LITNEX Course)	—	Optional
Fundamental Seminar on Information Literacy and Education Design I	—	Human-Social Information Sciences (LITNEX Course)	—	Compulsory
Doctoral Seminar on Information Literacy and Education Design I	—	Human-Social Information Sciences (Except LITNEX Course)	—	Compulsory
Doctoral Seminar on Information Literacy and Education Design II	—	Human-Social Information Sciences (Except LITNEX Course)	—	Compulsory
Advanced Doctoral Seminar on Information Literacy and Education Design II	—	Human-Social Information Sciences (Except LITNEX Course)	—	Optional
Advanced Seminar I ( *1 )	—	All departments	Nakao Mitsuyuki Yamada Kazunori	Optional
Advanced Seminar II ( *1 )	—	All departments	Nakao Mitsuyuki Yamada Kazunori	Optional
Big Data Challenge ( *1 )	—	All departments	Yamada Kazunori Baladram Mohammad Samy	Optional

( \*1 ) Compulsory for DSP/DSPII/GP-DS students