

2020 The List of Course in English (英語で開講する科目リスト)IE研究科(平成28年度以降入学生)

2020/4/1

Department	授業科目名	Course Title	Instructor	Program	Semester	Day	Period	Credit Points	Course's Type
J	知的学習システム	Advanced Topics in Machine Learning	SHONO, Hayaru	Master Prog.	Spring Semester	Mon.	1	2	II
J	認知プロセス論特論	Topics on Cognitive processing	SAKAMOTO, Maki	Master and Doctor Prog.	Spring Semester	Mon.	3	2	II
J	メディア論特論	Topics on Media Contents	KANEKO, Masakatsu	Master and Doctor Prog.	Spring Semester	Wed.	3	2	II
J	データマイニング	Data Mining	YAMAMOTO, Wataru	Master Prog.	Spring Semester	Thu.	1	2	II
J	システム信頼性特論	Advanced Theory of Systems Reliability	JIN, Lu	Master and Doctor Prog.	Spring Semester	Thu.	2	2	I
J	セキュリティ基礎	Fundamentals of Security	LI, Yang	Master Prog.	Spring Semester	Fri.	2	2	I
J	マルチエージェントシステム特論	Advanced Multiagent System	TAKADAMA, Keiki	Master and Doctor Prog.	Spring Semester	Fri.	3	2	II
J	インタラクティブシステム特論	Advanced Interactive System	KAJIMOTO, Hiroyuki	Master and Doctor Prog.	Spring Semester	Fri.	4	2	II
J	生産システム特論	Advanced Manufacturing Systems Engineering	YURA, Kenji	Master and Doctor Prog.	Fall Semester	Mon.	1	2	II
J	視覚情報処理特論	Advanced Visual Computing	TAKAHASHI, Hiroki	Master and Doctor Prog.	Fall Semester	Mon.	3	2	II
J	離散情報構造特論	Advanced Topics on Discrete Information Structure	ISHIGAMI, Yoshiyasu	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II
J	計算機科学特論	Advanced Computer Science	NISHINO, Tetsuro	Master and Doctor Prog.	Fall Semester	Tue.	5	2	II
J	メディアアート論	Topics in Media Art	KODAMA, Sachiko	Master Prog.	Fall Semester	Thu.	5	2	II
J	ソフトウェアセキュリティ特論	Advanced Software Security	ICHINO, Masatsugu	Master and Doctor Prog.	Fall Semester	Fri.	3	2	II
I	無線通信システム特論	Radio Communication Systems	ADACHI, Koichi & KOJIMA, Toshiharu	Master and Doctor Prog.	Spring Semester	Mon.	1	2	II
I	VLSI Low Power Circuit Design	VLSI Low Power Circuit Design	ISHIBASHI, Koichiro	Master Prog.	Spring Semester	Mon.	2	2	I
I	環境電磁工学特論	Electromagnetic Compatibility	XIAO, Fengchao & KAYANO, Yoshiki	Master and Doctor Prog.	Spring Semester	Mon.	4	2	II
I	情報伝送基礎	Fundamentals of Information Transmission	HAN, Chenggao	Master Prog.	Spring Semester	Mon.	6	2	II
I	量子情報数理特論	Advanced Topics on Quantum Information Theory	OGAWA, Tomohiro	Master and Doctor Prog.	Spring Semester	Wed.	3	2	II
I	ネットワークコンピューティング特論	Advanced Network Computing	WU, Celimuge	Master and Doctor Prog.	Spring Semester	Thu.	1	2	II
I	理論計算機科学特論	Advanced Study for Theoretical Computer Science	TARUI, Jun	Master and Doctor Prog.	Spring Semester	Thu.	3	2	II
I	デジタル信号処理基礎	Fundamentals of Digital Signal Processing	ZHANG, Xi & WASHIZAWA, Yoshikazu	Master Prog.	Spring Semester	Thu.	4	2	II

Department	授業科目名	Course Title	Instructor	Program	Semester	Day	Period	Credit Points	Course's Type
I	情報通信ネットワーク	Information and Communication Networks	OOKI, Eiji	Master Prog.	Spring Semester	Sat.	1,2	2	I
I	CMOS集積回路設計学特論	CMOS Advanced Integrated Circuit Design	PHAM Cong-kha	Master and Doctor Prog.	Fall Semester	Mon.	5	2	II
I	情報光工学特論	Advanced Information Optics and Photonics	MUSHA, Mitsuru	Master and Doctor Prog.	Fall Semester	Tue.	2	2	II
I	電磁波環境観測技術特論	Advanced topics on electromagnetic wave technology	HOUBARA, Yasuhide	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II
I	宇宙通信工学特論	Advanced Space Communication Engineering	HOSOKAWA, Keisuke	Master and Doctor Prog.	Fall Semester	Thu.	3	2	II
I	ソフトウェアセキュリティ特論	Advanced Software Security	ICHINO, Masatsugu	Master and Doctor Prog.	Fall Semester	Fri.	3	2	II
I	光通信システム特論	Advanced Optical Communication Systems	KISHI, Naoto	Master and Doctor Prog.	Fall Semester	Fri.	4	2	II
M	制御系設計学基礎	Fundamentals of Control System Design	KOGISO, Kiminao	Master Prog.	Spring Semester	Tue.	3	2	II
M	Advanced Robotics and Mechatronics Engineering	Advanced Robotics and Mechatronics Engineering	AOYAMA, Hisayuki	Master and Doctor Prog.	Spring Semester			2	I
M	ナノライボロジー特論	Advanced Nanotribology	SASAKI, Naruo	Master and Doctor Prog.	Fall Semester	Thu.	4	2	II
M	ロボット情報工学特論	Advanced Information Engineering for Robotics	FUNATO, Tetsuro	Master and Doctor Prog.	Fall Semester	Wed.	2	2	II
M	生体計測工学特論	Advanced Bioinstrumentation Engineering	KOIKE, Takuzi & MASAMOTO, Kazuto	Master and Doctor Prog.	Fall Semester	Thu.	5	2	II
M	組込み制御システム学特論	Advanced Embedded Control Sysytem	SAWADA, Kenji	Master and Doctor Prog.	Fall Semester	Fri.	4	2	II
S	光計測特論	Advanced Optical Measurements	NISHIOKA, Hajime	Master and Doctor Prog.	Spring Semester	Mon.	1	2	II
S	量子物理工学基礎	Fundamentals of Quantum Physics	MORISHITA, Toru	Master Prog.	Spring Semester	Mon.	2	2	II
S	生物有機化学	Bio-organic chemistry	TAKI, Masumi	Master Prog.	Spring Semester	Mon.	2	2	II
S	現代レーザー分光学特論	Advanced Laser Spectroscopy	NAKAGAWA, Ken'ichi & MORINAGA, Makoto	Master and Doctor Prog.	Spring Semester	Mon.	4	2	II
S	分子細胞生物学基礎	Fundamentals of Cell and Molecular Biology	SHIRAKAWA, Hideki	Master Prog.	Spring Semester	Tue.	1	2	II
S	低温量子物性工学特論	Advanced Low Temperature Physics	SUZUKI, Masaru	Master and Doctor Prog.	Spring Semester	Tue.	1	2	II
S	固体・ソフトマターフォトンクス特論	Solid-State and Soft Matter Photonics	TOMITA, Yasuo	Master and Doctor Prog.	Spring Semester	Wed.	2	2	II
S	ナノフォトンクス特論	Advanced Nanophotonics	OKADA, Yoshiko & SHOJI, Satoru	Master and Doctor Prog.	Spring Semester	Wed.	3	2	II
S	光デバイス工学基礎	Fundamentals of Photonic Devices	YAMAGUCHI, Kouichi	Master Prog.	Spring Semester	Thu.	2	2	II
S	生体情報システム学特論	Advanced Information Biology	KASHIMORI, Yoshiki	Master and Doctor Prog.	Spring Semester	Thu.	2	2	II

Department	授業科目名	Course Title	Instructor	Program	Semester	Day	Period	Credit Points	Course's Type
S	原子光工学特論	Advanced Atomic and Optical Physics	NAKAMURA,Nobuyuki & KATSURAGAWA,Masayuki	Master and Doctor Prog.	Spring Semester	Thu.	3	2	II
S	光化学	Fundamentals of Photochemistry	HIRANO,Takashi	Master Prog.	Spring Semester	Fri.	1	2	II
S	生体情報学基礎	Fundamentals of Information Biology	MATSUDA,Shinji	Master Prog.	Spring Semester	Fri.	3	2	II
S	化学生命工学特論	Selected Topics in Chemistry and Biotechnology	SHIGEMORI,Hideyuki & MIURA,Sinji	Master and Doctor Prog.	Spring Semester			2	II
S	固体量子工学特論	Advanced Solid State Electronics	FUSEYA,Yuki	Master and Doctor Prog.	Spring Semester			2	II
S	応用電磁気学	Fundamentals of Electromagnetic Theory	NAKAGAWA, Ken'ichi & SHIRAKAWA, Akira	Master Prog.	Fall Semester	Mon.	2	2	II
S	X線結晶学特論	Advanced X-Ray Crystallography	YASUI,Masanori	Master and Doctor Prog.	Fall Semester	Mon.	3	2	II
S	計算物理学特論	Computational Physics	OHFUTI,Yasushi	Master and Doctor Prog.	Fall Semester	Mon.	4	2	I
S	集積回路設計学特論	Advanced Integrated Circuit Design	PHAM Cong-kha	Master and Doctor Prog.	Fall Semester	Mon.	5	2	II
S	物理化学特論	Advanced Physical Chemistry	YAMAKITA,Yoshihiro	Master and Doctor Prog.	Fall Semester	Tue.	1	2	II
S	情報光工学特論	Advanced Information Optics and Photonics	MUSHA, Mitsuru	Master and Doctor Prog.	Fall Semester	Tue.	2	2	II
S	ゲノム生物学特論	Advanced Genome Biology	SAMPEI,Gen-ichi	Master and Doctor Prog.	Fall Semester	Tue.	2	2	II
S	量子エネルギー科学	Quantum Energy Science	KOBAYASHI,Yoshio	Master Prog.	Fall Semester	Tue.	3	2	II
S	量子情報光学特論	Quantum Information Optics	MIYAMOTO,Yoko & SHIMIZU,Ryosuke	Master and Doctor Prog.	Fall Semester	Tue.	3	2	II
S	ナノライボロジー特論	Advanced Nanotribology	SASAKI,Naruo	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II
S	生体機能システム学基礎	Basic human physiology	KANO,Yutaka & HOSHINO,Daisuke	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II
S	先端半導体デバイス基礎	Fundamentals of Modern Semiconductor Devices	ISSHIKI,Hideo	Master Prog.	Fall Semester	Wed.	2	2	II
S	超伝導デバイス特論	Advanced Superconducting Electronic Devices	SHIMADA,Hiroshi	Master and Doctor Prog.	Fall Semester	Thu.	1	2	II
S	統計物理工学特論	Advanced Statistical Physics	OZEKI,Yukiyasu	Master and Doctor Prog.	Fall Semester	Thu.	2	2	II
S	無機物質化学特論	Advanced Inorganic Materials Chemistry	KAKO,Masahiro	Master and Doctor Prog.	Fall Semester	Thu.	2	2	II
S	ナノエレクトロニクス特論	Advanced Nano-electronics	NAKAMURA, Jun	Master and Doctor Prog.	Fall Semester	Thu.	3	2	II
S	生体計測工学特論	Advanced Bioinstrumentation Engineering	KOIKE, Takuzi & MASAMOTO,Kazuto	Master and Doctor Prog.	Fall Semester	Thu.	5	2	II
S	凝縮体量子工学特論	Selected Topics on Quantum Degenerate Systems	SAITO, Hiroki & KISHIMOTO,Tetsuo	Master and Doctor Prog.	Fall Semester	Fri.	2	2	II

Department	授業科目名	Course Title	Instructor	Program	Semester	Day	Period	Credit Points	Course's Type
S	固体物性化学特論	Advanced Solid State Chemistry	ISHIDA, Takayuki	Master and Doctor Prog.	Fall Semester	Fri.	2	2	II
S	光通信デバイス特論	Design Techniques of Opto-electronic Devices	UENO, Yoshiyasu	Master and Doctor Prog.	Fall Semester	Fri.	3	2	II
S	光通信システム特論	Advanced Optical Communication Systems	KISHI, Naoto	Master and Doctor Prog.	Fall Semester	Fri.	4	2	II
S	電子物性特論	Advanced Lectures on Electronic Properties in Solids	NAKAMURA, Jin & MATSUBAYASHI, Kazuyuki	Master and Doctor Prog.	Fall Semester	Fri.	4	2	II
J, I, M, S	SDGsを支える情報通信論	Information and Communications Technologies for SDGs	ISHIBASHI, Koichiro & MATSUURA, Motoharu	Master and Doctor Prog.	Spring Semester	Fri.	5	2	II
J, I, M, S	大学院国際プロジェクト(情報通信)	Graduate course international project (information and communication)	XIAO, Fengchao & MATSUMOTO, Mitsuharu & ADACHI, Koichi	Master Prog.	Spring Semester			2	II
J, I, M, S	国際社会の政治・経済	Politics and Economics of International Society	MIYACHI, Takahiro	Master and Doctor Prog.	Fall Semester	Wed.	3	2	II
J, I, M, S	国際科学技術コミュニケーション論	International Communication for Science and Technology	ISHIBASHI, Koichiro & MATSUURA, Motoharu	Master Prog.	Fall Semester	Fri.	5	2	II