

2022 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)

2022/3/31

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	Cb
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	Cb
J	認知科学特論	Advanced Cognitive Sciences	HISANO, Masaki	Master and Doctor Prog.	Spring Semester	Mon.	4	2	II	Bb
J	経営情報システム	Management Information Systems	YAMADA, Tetsuo	Master Prog.	Spring Semester	Wed.	2	2	II	Bc
J	データマイニング	DataMining	YAMAMOTO, Watalu	Master Prog.	Spring Semester	Thu.	1	2	II	Ca
J	学習工学特論	Information Media Design	KASHIHARA, Akihiro	Master and Doctor Prog.	Spring Semester	Thu.	2	2	II	Cb
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	II	Bb
J	人工知能特論	Artificial Intelligence and Complex Network	INABA, Michimasa	Master and Doctor Prog.	Spring Semester	Thu.	4	2	II	Bc
J	セキュリティ基礎	Fundamental of Information Networks	LI, Yang	Master Prog.	Spring Semester	Fri.	2	2	I	Ba
J	ヒューマンインタフェース特論	Advanced Human Interface	NOJIMA, Takuya	Master and Doctor Prog.	Spring Semester	Fri.	2	2	II	Cb
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	Bc
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	Cb
J	会計情報システム	Fundamentals of Accounting Information Systems	KITADA, Hirotsugu	Master Prog.	Spring Semester			2	II	Bc
J	金融工学特論	Advanced Financial Engineering	YAMADA, Toshihiro	Master and Doctor Prog.	Spring Semester			2	II	Bc
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	Cb
J	視覚情報処理特論	Advanced Visual Computing	TAKAHASHI, Hiroki	Master and Doctor Prog.	Fall Semester	Mon.	3	2	II	Ca
J	マルチメディアコンピューティング特論	Advanced Multimedia Computing	EGI, Hironori	Master and Doctor Prog.	Fall Semester	Mon.	4	2	II	Ca
J	画像認識システム特論	Advanced Image Recognition Systems	YANAI, Keiji	Master and Doctor Prog.	Fall Semester	Mon.	5	2	II	Bc
J	コンピュータネットワーク特論	Advanced Computer Networks	OHZAHATA, Satoshi	Master and Doctor Prog.	Fall Semester	Tue.	3	2	II	Ca
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	I	Ba
J	計算機科学特論	Advanced Computer Science	NISHINO, Tetsuro	Master and Doctor Prog.	Fall Semester	Tue.	5	2	I	Ba
J	暗号理論特論	Advanced Topics on Cryptography	IWAMOTO, Mitsugu	Master and Doctor Prog.	Fall Semester	Wed.	2	2	II	Bb

Department	授業科目名	Course Title	Instructor	Program	Semester	Day	Period	Credit Points	Course's Type	
J	時空間情報科学特論	Spatiotemporal Informatics	YAMAMOTO, Kayoko	Master and Doctor Prog.	Fall Semester	Wed.	2	2	II	Bc
J	情報理論基礎	Fundamentals of Information Theory	YAMAGUCHI, Kazuhiko	Master Prog.	Fall Semester	Thu.	3	2	II	Bc
J	メディアアート論	Topics in Media Art	KODAMA, Sachiko	Master Prog.	Fall Semester	Thu.	5	2	II	Bb
J	インテリジェントシステム特論	Advanced Topics on Intelligent Soft Computing Systems	HASHIYAMA, Tomonori	Master and Doctor Prog.	Fall Semester	Fri.	2	2	II	Bb
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	Cb
I	無線通信システム特論	Advanced Radio Communication Systems	ADACHI, Koichi & KOJIMA, Toshiharu	Master and Doctor Prog.	Spring Semester	Mon.	1	2	II	Ca
I	VLSI Low Power Circuit Design	VLSI Low Power Circuit Design	ISHIBASHI, Koichiro	Master Prog.	Spring Semester	Mon.	2	2	I	Aa
I	環境電磁工学特論	Advanced Electromagnetic Compatibility	XIAO, Fengchao & KAYANO, Yoshiki	Master and Doctor Prog.	Spring Semester	Mon.	4	2	II	Cb
I	ベイズの人工知能特論	Advanced Theory on Bayesian Artificial Intelligence	UENO, Maomi	Master and Doctor Prog.	Spring Semester	Mon.	4	2	II	Cb
I	情報データ解析論	Advanced Theory on Information Data Analysis	MORITA, Hiroyoshi	Master and Doctor Prog.	Spring Semester	Mon.	4	2	II	Ca
I	アルゴリズム工学特論	Advanced Topics on Algorithmic Engineering	Koga, hisashi	Master and Doctor Prog.	Spring Semester	Tue.	2	2	II	Bc
I	集積回路基礎	Fundamentals of VLSI Fabrication	MORIYA, Masataka	Master Prog.	Spring Semester	Tue.	3	2	II	Cb
I	ゲームの数理	Mathematical Models in Games	TAKAHASHI, Satoshi	Master and Doctor Prog.	Spring Semester	Tue.	3	2	II	Ca
I	データ工学原論2	Principles of Data Engineering 2	OHMORI, Tadashi	Master and Doctor Prog.	Spring Semester	Tue.	4	2	II	Cb
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	Bb
I	並列処理論第一	Parallel Processing I	HONDA, Hiroki	Master and Doctor Prog.	Spring Semester	Wed.	3	2	II	Cb
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	I	Ba
I	伝送工学特論	Advanced Transmission Engineering	ANDO, Yoshiaki	Master and Doctor Prog.	Spring Semester	Thu.	2	2	II	Cb
I	情報伝送基礎	Fundamentals of Information Transmission	HAN, Chenggao	Master Prog.	Spring Semester	Thu.	3	2	II	Ca
I	固体照明工学特論	Solid State Lighting	UCHIDA, Kazuo	Master and Doctor Prog.	Spring Semester	Thu.	3	2	I	Ba
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	Bb
I	ソフトウェア基礎特論	Advanced Theory of Software Sciences	ITO, Takeshi	Master and Doctor Prog.	Spring Semester	Thu.	3	2	II	Ca
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	I	Ba

Department	授業科目名	Course Title	Instructor	Program	Semester	Day	Period	Credit Points	Course's Type	
I	計算機構特論	Topics on Theory of Computation	ITO, Hiro	Master and Doctor Prog.	Spring Semester	Thu.	4	2	II	Bc
I	情報通信ネットワーク	Information and Communication Networks	KITSUWAN NATTAPONG	Master Prog.	Spring Semester	Fri.	2	2	I	Aa
I	信号解析学特論	Advanced Signal Processing	ITO, Hiroya	Master and Doctor Prog.	Spring Semester	Fri.	3	2	II	Cb
I	集積回路設計特論	Advanced Integrated Circuit Design	ISHIBASHI, Koichiro & ISHIKAWA, Ryo & KOJIMA, Toshiharu	Master and Doctor Prog.	Spring Semester			2	II	Cb
I	情報幾何学特論	Advanced Topics on Information Geometry	SUZUKI, Jun	Master and Doctor Prog.	Fall Semester	Mon.	3	2	II	Bb
I	基盤ソフトウェア特論	Advanced Programming Languages: Concepts and Implementation	KOMIYA, Tsuneyasu	Master and Doctor Prog.	Fall Semester	Mon.	3	2	II	Cb
I	マルチメディアコンピューティング特論	Advanced Multimedia Computing	EGI, Hironori	Master and Doctor Prog.	Fall Semester	Mon.	4	2	II	Ca
I	CMOS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	Ca
I	画像認識システム特論	Advanced Image Recognition Systems	KEIJI YANAI	Master and Doctor Prog.	Fall Semester	Mon.	5	2	II	Bc
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	Ca
I	応用アルゴリズム論	Applied Algorithms	KOBAYASHI, Satoshi	Master Prog.	Fall Semester	Tue.	3	2	II	Cb
I	計算機ネットワーク特論	Advanced Interconnection Networks	YOSHINAGA, Tsutomu	Master and Doctor Prog.	Fall Semester	Tue.	3	2	II	Bb
I	電磁波環境観測技術特論	Advanced topics on electromagnetic wave technology	HOBARA, Yasuhide	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II	Bb
I	情報ネットワーク特論	Topics on Information Networks	TANG, Suhua	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II	Cb
I	システムソフトウェア特論	Advanced Topics on System Software	YAMAKI, Hayato	Master and Doctor Prog.	Fall Semester	Tue.	5	2	II	Cb
I	音声対話処理	Advanced Theory on Spoken Dialog Processing	MINAMI, Yasuhiro	Master and Doctor Prog.	Fall Semester	Wed.	2	2	II	Cb
I	データ解析最適化論	Advanced Topics in Data Analysis Optimization	LIU, Zhi	Master and Doctor Prog.	Fall Semester	Thu.	1	2	I	Aa
I	情報理論特論	Advanced Information Theory	OHAMA, Yasutada	Master and Doctor Prog.	Fall Semester	Thu.	2	2	II	Cb
I	知能情報特論	Advanced Intelligent Information Systems	NUMAO, Masayuki	Master and Doctor Prog.	Fall Semester	Thu.	3	2	I	Ba
I	回路システム基礎	Fundamentals of Circuits and Systems	NISHI, Kazuki & KOJIMA, Toshiharu	Master Prog.	Fall Semester	Thu.	4	2	II	Cb
I	ネットワークアプリケーション特論	Advanced Topics on Network Applications	TERADA, Minoru	Master and Doctor Prog.	Fall Semester	Fri.	2	2	II	Cb
I	統計的機械学習特論	Advanced Statistical Machine Learning	KAWANO, Shuichi	Master and Doctor Prog.	Fall Semester	Fri.	2	2	II	Cb
I	ヒューマンインタフェース特論	Advanced Topics on Human Interface	FUJITA, Hideyuki	Master and Doctor Prog.	Fall Semester	Fri.	3	2	II	Cb

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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	Cb
I	光通信システム特論	Advanced Optical Communication System	KISHI, Naoto	Master and Doctor Prog.	Fall Semester	Fri.	4	2	II	Bb
I	並列処理論第二	Parallel Processing II	MIWA, Shinobu	Master and Doctor Prog.	Fall Semester	Fri.	4	2	II	Cb
I	宇宙通信工学特論	Advanced Space Communication Engineering	HOSOKAWA, Keisuke	Master and Doctor Prog.	Fall Semester			2	I	Ba
M	知覚システム特論	Advanced topics in perceptual system	SATOH, Shunji	Master and Doctor Prog.	Spring Semester	Mon.	3	2	II	Bb
M	熱工学基礎	Fundamentals of Thermodynamics	OKAWA, Tomio & ENOKI, Koji	Master Prog.	Spring Semester	Mon.	4	2	II	Bb
M	生産加工学基礎	Fundamentals of Mechanical Working	KUBOKI, Takashi & KAJIKAWA, Shohei	Master Prog.	Spring Semester	Tue.	1	2	II	Bb
M	流体工学基礎	Fundamentals of Fluid Engineering	INOUE, Yohei	Master Prog.	Spring Semester	Tue.	2	2	II	Bb
M	制御系設計学基礎	Fundamentals of Control System Design	KOGISO, Kiminao	Master Prog.	Spring Semester	Tue.	3	2	II	Bb
M	機械知能システム学専攻基礎	Fundamental of Mechanical Engineering and Intelligent Systems	KAN, Tetsuo & SUN, Guanghao & MURAMATSU, Dairoku	Master Prog.	Spring Semester	Wed.	2	2	II	Bb
M	バイオメカニクス基礎	Fundamentals of Biomechanics	OKADA, Hidetaka	Master Prog.	Spring Semester	Thu.	1	2	II	Cb
M	計測工学基礎	Fundamentals of Measurement Engineering	MIYAWAKI, Yoichi	Master Prog.	Spring Semester	Thu.	3	2	II	Bb
M	ロボット工学基礎	Fundamentals of robotics	MING, Aiguo & KOIZUMI, Norihiro	Master Prog.	Spring Semester	Thu.	4	2	II	Bb
M	感覚運動システム特論	Advanced topics on sensorimotor system	SAKAGUCHI, Yutaka	Master and Doctor Prog.	Spring Semester	Fri.	2	2	II	Bb
M	Advanced Robotics and Mechatronics Engineering	Advanced Robotics and Mechatronics Engineering	AOYAMA, Hisayuki	Master and Doctor Prog.	Spring Semester			2	I	Aa
M	大学院国際協働学術研修	Graduate International Jointly Offered Academic Training I	AOYAMA, Hisayuki	Master and Doctor Prog.	Spring Semester			2	I	Aa
M	大学院国際協働学術研修(長期)	Graduate International Jointly Offered Academic Training II	AOYAMA, Hisayuki	Master and Doctor Prog.	Spring Semester			4	I	Aa
M	運動計測学特論	Advanced Measurement and Evaluation of Human Motor Movement	ANDO, Soichi	Master and Doctor Prog.	Fall Semester	Mon.	1	2	II	Bb
M	メカトロニクス特論	Advanced Mechatronics	KANAMORI, Chisato & TOGO, Shunta	Master and Doctor Prog.	Fall Semester	Mon.	2	2	II	Bb
M	ロボット応用工学特論	Advanced Robotics Engineering and Applications	AOYAMA, Hisayuki & UCHIDA, Masafumi & TANAKA, Motoyasu	Master and Doctor Prog.	Fall Semester	Mon.	3	2	II	Bb
M	ロボット機構制御特論	Advanced Course of Robotics and Control	TANAKA, Kazuo & YOKOI, Hiroshi	Master and Doctor Prog.	Fall Semester	Mon.	4	2	II	Ca

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M	知的生産システム特論	Advanced Intelligent Production System	MORISHIGE, Koichi	Master and Doctor Prog.	Fall Semester	Tue.	1	2	II	Bb
M	設計システム工学特論	Advanced Engineering of Design Systems	MASUDA, Hiroshi & YUKI, Hironobu	Master and Doctor Prog.	Fall Semester	Tue.	2	2	II	Bb
M	機械情報学特論	Advanced Informatics on Intelligent Machineries	TAKATA, Masayuki	Master and Doctor Prog.	Fall Semester	Tue.	3	2	II	Bb
M	ナノトライボロジー特論	Advanced Nanotribology	SASAKI, Naruo	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II	Cb
M	ロボット情報工学特論	Advanced Information Engineering for Robotics	FUNATO, Tetsuro & NAKATA, Yoshihiro	Master and Doctor Prog.	Fall Semester	Wed.	2	2	II	Ca
M	力学系現象特論	Advanced Theory of Dynamical Systems	Matuttis Hans-Georg & MAMORI, HIROYA	Master and Doctor Prog.	Fall Semester	Thu.	1	2	II	Bb
M	バーチャルリアリティ特論	Advanced Virtual Reality	SUGI, Masao	Master and Doctor Prog.	Fall Semester	Thu.	2	2	II	Bb
M	ロバスト制御工学特論	Advanced Robust Control	KANEKO, Osamu	Master and Doctor Prog.	Fall Semester	Thu.	3	2	II	Bb
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	Cb
M	計算力学特論	Advanced Computational Mechanics	CHIBA, Kazuhisa & MAMORI, HIROYA	Master and Doctor Prog.	Fall Semester	Fri.	2	2	II	Bb
M	組み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	I	Ba
S	光計測特論	Advanced Optical Measurements	NISHIOKA, Hajime	Master and Doctor Prog.	Spring Semester	Mon.	1	2	II	Ca
S	量子物理工学基礎	Fundamentals of Quantum Physics	MORISHITA, Toru	Master Prog.	Spring Semester	Mon.	2	2	II	Bc
S	画像情報学基礎	Fundamentals of Image Engineering	SHIGA, Tomokazu	Master Prog.	Spring Semester	Mon.	3	2	II	Cb
S	固体・ソフトマターフォトンクス特論	Solid-State and Soft Matter Photonics	SHOJI, Satoru	Master and Doctor Prog.	Spring Semester	Mon.	4	2	II	Bb
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	Cb
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	Ca
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	Cb
S	ナノエレクトロニクス特論	Advanced Nano-electronics	NAKAMURA, Jun	Master and Doctor Prog.	Spring Semester	Tue.	2	2	II	Bb
S	集積回路基礎	Fundamentals of VLSI Fabrication	MORIYA, Masataka	Master Prog.	Spring Semester	Tue.	3	2	II	Cb
S	光・量子エレクトロニクス基礎	Fundamentals of Optical and Quantum Electronics	ZHANG, Yun	Master Prog.	Spring Semester	Tue.	4	2	II	Bb
S	生命分子化学特論	Biomolecular Chemistry	TANAKA, Makiko	Master and Doctor Prog.	Spring Semester	Wed.	2	2	II	Cb
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	Bb

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S	光デバイス工学基礎	Fundamentals of Photonic Devices	YAMAGUCHI, Kouichi	Master Prog.	Spring Semester	Thu.	2	2	II	Cb
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	Cb
S	固体照明工学特論	Solid State Lighting	UCHIDA, Kazuo	Master and Doctor Prog.	Spring Semester	Thu.	3	2	I	Ba
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	Cb
S	環境材料学特論	Advanced Environmental Materials Science	FURUKAWA, Rei	Master and Doctor Prog.	Spring Semester	Thu.	4	2	I	Aa
S	光化学	Fundamentals of Photochemistry	HIRANO, Takashi	Master Prog.	Spring Semester	Fri.	1	2	II	Cb
S	生体情報学基礎	Fundamentals of Information Biology	MATSUDA, Shinji	Master Prog.	Spring Semester	Fri.	3	2	II	Cb
S	固体量子工学	Fundamentals of Solid State Electronics	MURANAKA, Takahiro	Master Prog.	Spring Semester	Fri.	3	2	II	Cb
S	基盤理工学専攻基礎	Fundamental of Engineering Science	SOGABE, Tomah & SHIRAKAWA, Akira & TANIGUCHI, Junko & MATSUDA, Shinji	Master Prog.	Spring Semester	Fri.	4	2	II	Cb
S	固体物性論基礎	Fundamentals of Solid State Physics	KOKUBO, Nobuhito	Master Prog.	Spring Semester			2	II	Cb
S	生物有機化学	Bio-organic chemistry	TAKI, Masumi	Master Prog.	Spring Semester			2	II	Cb
S	物理工学特論	Advanced Engineering Physics	AKAMATSU, Daisuke	Master and Doctor Prog.	Spring Semester			2	II	Cb
S	固体量子工学特論	Advanced Solid State Electronics	FUSEYA, Yuki	Master and Doctor Prog.	Spring Semester			2	II	Cb
S	化学生命工学特論	Selected Topics in Materials Science and Information Biology	FURUTA Yasuhide & SUZUKI Shuichi	Master and Doctor Prog.	Spring Semester			2	II	Cb
S	オープンラボワーク I 挑戦	Open Lab work I - Challenge	YONEDA, Hitoki	Master Prog.	Spring Semester			4	II	Bb
S	オープンラボワーク II 開拓	Open Lab work II - Cultivation	YONEDA, Hitoki	Master Prog.	Spring Semester			4	II	Bb
S	オープンラボワーク III 融合	Open Lab work III - Integration	YONEDA, Hitoki	Master and Doctor Prog.	Spring Semester			4	II	Bb
S	オープンラボワーク IV 革新	Open Lab work IV - Innovation	YONEDA, Hitoki	Master and Doctor Prog.	Spring Semester			4	II	Bb
S	応用電磁気学	Fundamentals of Electromagnetic Theory	NAKAGAWA, Ken'ichi & SHIRAKAWA, Akira	Master Prog.	Fall Semester	Mon.	2	2	II	Cb
S	X線結晶学特論	Advanced X-Ray Crystallography	YASUI, Masanori	Master and Doctor Prog.	Fall Semester	Mon.	3	2	II	Cb
S	計算物理学特論	Computational Solid State Physics	OHFUTI, Yasushi	Master and Doctor Prog.	Fall Semester	Mon.	4	2	I	Ba
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	Bb

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S	物理化学特論	Advanced Analytical Chemistry	YAMAKITA, Yoshihiro	Master and Doctor Prog.	Fall Semester	Tue.	1	2	II	Bb
S	情報工学特論	Advanced Information Optics and Photonics	MUSHA, Mitsuru	Master and Doctor Prog.	Fall Semester	Tue.	2	2	II	Ca
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	Cb
S	量子エネルギー科学	Electrochemistry	KOBAYASHI, Yoshio	Master Prog.	Fall Semester	Tue.	3	2	II	Ca
S	量子情報光学特論	Quantum Information Optics	MIYAMOTO, YOKO & SHIMIZU, Ryousuke	Master and Doctor Prog.	Fall Semester	Tue.	3	2	I	Ba
S	生体機能システム学基礎	Basic human physiology	KANO, Yutaka & HOSHINO, Daisuke	Master Prog.	Fall Semester	Tue.	4	2	II	Cb
S	ナノトライボロジー特論	Advanced Nanotribology	SASAKI, Naruo	Master and Doctor Prog.	Fall Semester	Tue.	4	2	II	Cb
S	無機物質化学特論	Advanced Inorganic Materials Chemistry	KAKO, Masahiro	Master and Doctor Prog.	Fall Semester	Wed.	2	2	II	Cb
S	先端半導体デバイス基礎	Fundamentals of Modern Semiconductor Devices	ISSHIKI, Hideo	Master Prog.	Fall Semester	Wed.	45	2	II	Bb
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	Cb
S	統計物理工学特論	Advanced Statistical Physics	OZEKI, Yukiyasu	Master and Doctor Prog.	Fall Semester	Thu.	2	2	II	Cb
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	Cb
S	実践的先進機器分析	Practical advanced instrumental analysis	ISHIDA, Takayuki & HIRANO, Takashi & YASUI, Masanori & KUWAHARA, Daisuke & SHIRAKAWA, Hideki & NAKAMURA, Jin & SHIMADA, Hiroshi	Master Prog.	Fall Semester	Thu.	45	2	II	Cb
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	I	Ba
S	固体物性化学特論	Advanced Solid State Chemistry	ISHIDA, Takayuki & HIRATA, Shuzo	Master and Doctor Prog.	Fall Semester	Fri.	2	2	II	Bb
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	Cb
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	Bb
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	Cb
J, I, M, S	現代社会と倫理	The modern society and ethics	MASUYAMA, Hiroto	Master and Doctor Prog.	Spring Semester	Wed.	4	2	II	Bc
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	I	Ba

Department	授業科目名	Course Title	Instructor	Program	Semester	Day	Period	Credit Points	Course's Type	
J, I, M, S	大学院国際プロジェクト	Graduate course international project (information and communication)	MATSUURA, Motoharu & MATSUMOTO, Mitsuharu & ADACHI, Koichi	Master Prog.	Spring Semester			2	II	Bb
J, I, M, S	オープンイノベーションスクールⅠ	Open Innovation School I	YONEDA, Hitoki	Master Prog.	Spring Semester			1	II	Bb
J, I, M, S	オープンイノベーションスクールⅡ	Open Innovation School II	YONEDA, Hitoki	Master Prog.	Spring Semester			1	II	Bb
J, I, M, S	オープンイノベーションスクールⅢ	Open Innovation School III	YONEDA, Hitoki	Doctor Prog.	Spring Semester			1	II	Bb
J, I, M, S	オープンイノベーションスクールⅣ	Open Innovation School IV	YONEDA, Hitoki	Doctor Prog.	Spring Semester			1	II	Bb
J, I, M, S	オープンイノベーションスクールⅤ	Open Innovation School V	YONEDA, Hitoki	Doctor Prog.	Spring Semester			1	II	Bb
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	Tue.	5	2	II	Cb
J, I, M, S	科学技術の歴史	History of Science	SATO, Ken'ichi	Master and Doctor Prog.	Fall Semester	Wed.	1	2	II	Cb
J, I, M, S	先端技術開発特論	Advanced Engineering Development	YAMAGUCHI, Kouichi	Master and Doctor Prog.	Fall Semester	Wed.	5	2	II	Cb
J, I, M, S	実システム創造	Project-based Learning of Practical Information System	HASHIYAMA, Tomonori & TAHARA, Yasuyuki & KOMIYA, Tsuneyasu	Master Prog.	Fall Semester	Wed.	45	2	II	Cb
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	MATSUURA, Motoharu & ISHIBASHI, Koichiro	Master and Doctor Prog.	Fall Semester	Fri.	5	2	I	Ab
J, I, M, S	危機・限界体験特別実験	Advanced Experiments of Danger Experience and Failing Observation	SUZUKI, Masaru & SHIMADA, Hiroshi & YONEDA, Hitoki & MIYAMOTO, YOKO	Master Prog.		Mon.	5	2	II	Cb
J, I, M, S	ETL	Elementary Teaching Laboratory	SUZUKI, Masaru & SHIMADA, Hiroshi & YONEDA, Hitoki & MIYAMOTO, YOKO	Master and Doctor Prog.				2	II	Cb

英語で行う大学院講義の分類表改訂版

		説 明 言 語		
		A:英語のみ	B:英語と日本語を併用する	C:日本語のみ
資 料 言 語	a:英語のみ	Aa: 英語で説明し、 英語の教材・資料を使う。	Ba: 英語と日本語を併用して説明し、 英語の教材・資料を使う。	Ca: 日本語で説明し、 英語の教材・資料を使う。
	b:英語と日本語を 併用する	Ab: 英語で説明し、 英語の教材・資料と日本語の教材・資料を併用する。	Bb: 英語と日本語を併用して説明し、 英語の教材・資料と日本語の教材・資料を併用する。	Cb: 日本語で説明し、 英語の教材・資料と日本語の教材・資料を併用する。
	c:日本語のみ	Ac: 英語で説明し、 日本語の教材・資料を使う。	Bc: 英語と日本語を併用して説明し、 日本語の教材・資料を使う。	Cc: 日本語で説明し、 日本語の教材・資料を使う。

※教材・資料には、板書を含む。

Aa,Ab,Ac,Ba: 英語のみで講義を理解する英語能力がある学生に向けた講義(英語タイプⅠ)

Bb,Bc,Ca,Cb: 日本語と英語を併用し、専門用語等の理解を中心に、英語力向上に資することも目的とした講義(英語タイプⅡ)

Cc: 日本語で行う講義