

ISTC(理工学研究科博士課程前期)

| No. | 授業科目名 | 英文科目名 | 科目ナンバリング |
|-----|--|--|------------|
| 1 | Advanced Communications Engineering (E) | Advanced Communications Engineering (E) | INN-16-1-6 |
| 2 | Advanced Emergent Systems (E) | Advanced Emergent Systems (E) | INF-16-1-6 |
| 3 | Advanced Nature-Inspired Computing (E) | Advanced Nature-Inspired Computing (E) | INF-16-1-6 |
| 4 | Advanced Information and Computer Sciences (E) | Advanced Information and Computer Sciences (E) | SCI-16-1-6 |
| 5 | Internship (E) | Internship (E) | CAE-16-1-6 |
| 6 | Advanced Distributed Systems (E) | Advanced Distributed Systems (E) | SOF-16-1-6 |
| 7 | Advanced Natural Language Processing (E) | Advanced Natural Language Processing (E) | INI-16-1-6 |
| 8 | Advanced Optimization Technologies (E) | Advanced Optimization Technologies (E) | SOF-16-1-6 |
| 9 | Advanced Knowledge Discovery in Databases (E) | Advanced Knowledge Discovery in Databases (E) | INI-16-1-6 |
| 10 | Research and Experiments I(E) 【Information and Computer Science(For entrance in spring)】 | Research and Experiments I(E) 【Information and Computer Science(For entrance in spring)】 | SCI-16-1-6 |
| 11 | Research and Experiments II(E) 【Information and Computer Science(For entrance in spring)】 | Research and Experiments II(E) 【Information and Computer Science(For entrance in spring)】 | SCI-16-1-6 |
| 12 | Research and Experiments III(E) 【Information and Computer Science(For entrance in spring)】 | Research and Experiments III(E) 【Information and Computer Science(For entrance in spring)】 | SCI-16-1-6 |
| 13 | Research and Experiments IV(E) 【Information and Computer Science(For entrance in spring)】 | Research and Experiments IV(E) 【Information and Computer Science(For entrance in spring)】 | SCI-16-1-6 |
| 14 | Research and Experiments I(E) 【Information and Computer Science(For entrance in fall)】 | Research and Experiments I(E) 【Information and Computer Science(For entrance in fall)】 | SCI-16-1-6 |
| 15 | Research and Experiments II(E) 【Information and Computer Science(For entrance in fall)】 | Research and Experiments II(E) 【Information and Computer Science(For entrance in fall)】 | SCI-16-1-6 |
| 16 | Research and Experiments III(E) 【Information and Computer Science(For entrance in fall)】 | Research and Experiments III(E) 【Information and Computer Science(For entrance in fall)】 | SCI-16-1-6 |
| 17 | Research and Experiments IV(E) 【Information and Computer Science(For entrance in fall)】 | Research and Experiments IV(E) 【Information and Computer Science(For entrance in fall)】 | SCI-16-1-6 |
| 18 | Advanced Infrastructure Engineering (E) | Advanced Infrastructure Engineering (E) | PEP-16-1-6 |
| 19 | Advanced Opto-Electronic Waveguide (E) | Advanced Opto-Electronic Waveguide (E) | CNE-16-1-6 |
| 20 | Electrical Power Systems Engineering (E) | Electrical Power Systems Engineering (E) | PEP-16-1-6 |
| 21 | Advanced Applications of Electronics (E) | Advanced Applications of Electronics (E) | EEE-16-1-6 |
| 22 | Advanced Electrical and Electronic Engineering I (E) | Advanced Electrical and Electronic Engineering I (E) | EEE-16-1-6 |
| 23 | Advanced Electrical and Electronic Engineering II (E) | Advanced Electrical and Electronic Engineering II (E) | EEE-16-1-6 |
| 24 | Internship (E) | Internship (E) | CAE-16-1-6 |
| 25 | Research and Experiments I (E) 【Electrical and Electronic Engineering(For entrance in spring)】 | Research and Experiments I (E) 【Electrical and Electronic Engineering(For entrance in spring)】 | EEE-16-1-6 |
| 26 | Research and Experiments II(E) 【Electrical and Electronic Engineering(For entrance in spring)】 | Research and Experiments II(E) 【Electrical and Electronic Engineering(For entrance in spring)】 | EEE-16-1-6 |
| 27 | Research and Experiments III(E) 【Electrical and Electronic Engineering(For entrance in spring)】 | Research and Experiments III(E) 【Electrical and Electronic Engineering(For entrance in spring)】 | EEE-16-1-6 |
| 28 | Research and Experiments IV(E) 【Electrical and Electronic Engineering(For entrance in spring)】 | Research and Experiments IV(E) 【Electrical and Electronic Engineering(For entrance in spring)】 | EEE-16-1-6 |
| 29 | Research and Experiments I(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | Research and Experiments I(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | EEE-16-1-6 |
| 30 | Research and Experiments II(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | Research and Experiments II(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | EEE-16-1-6 |
| 31 | Research and Experiments III(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | Research and Experiments III(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | EEE-16-1-6 |
| 32 | Research and Experiments IV(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | Research and Experiments IV(E) 【Electrical and Electronic Engineering(For entrance in fall)】 | EEE-16-1-6 |
| 33 | Advanced Fluid Dynamics (E) | Advanced Fluid Dynamics (E) | FEN-16-1-6 |
| 34 | Advanced Mechanics of Materials (E) | Advanced Mechanics of Materials (E) | MMM-16-1-6 |
| 35 | Advanced Spray Combustion Science (E) | Advanced Spray Combustion Science (E) | THN-16-1-6 |
| 36 | Advanced Fluid Engineering (E) | Advanced Fluid Engineering (E) | FEN-16-1-6 |
| 37 | Advanced Mechanical Materials (E) | Advanced Mechanical Materials (E) | MMM-16-1-6 |
| 38 | Advanced Mechanical Engineering I (E) | Advanced Mechanical Engineering I (E) | DYC-16-1-6 |
| 39 | Advanced Mechanical Engineering II(E) | Advanced Mechanical Engineering II(E) | DYC-16-1-6 |
| 40 | Internship (E) | Internship (E) | CAE-16-1-6 |
| 41 | Research and Experiments I(E) 【Mechanical Engineering(For entrance in spring)】 | Research and Experiments I(E) 【Mechanical Engineering(For entrance in spring)】 | MEC-16-1-6 |

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|-----|---|---|------------|
| 42 | Research and Experiments II(E) 【Mechanical Engineering(For entrance in spring)】 | Research and Experiments II(E) 【Mechanical Engineering(For entrance in spring)】 | MEC-16-1-6 |
| 43 | Research and Experiments III(E) 【Mechanical Engineering(For entrance in spring)】 | Research and Experiments III(E) 【Mechanical Engineering(For entrance in spring)】 | MEC-16-1-6 |
| 44 | Research and Experiments IV(E) 【Mechanical Engineering(For entrance in spring)】 | Research and Experiments IV(E) 【Mechanical Engineering(For entrance in spring)】 | MEC-16-1-6 |
| 45 | Research and Experiments I(E) 【Mechanical Engineering(For entrance in fall)】 | Research and Experiments I(E) 【Mechanical Engineering(For entrance in fall)】 | MEC-16-1-6 |
| 46 | Research and Experiments II(E) 【Mechanical Engineering(For entrance in fall)】 | Research and Experiments II(E) 【Mechanical Engineering(For entrance in fall)】 | MEC-16-1-6 |
| 47 | Research and Experiments III(E) 【Mechanical Engineering(For entrance in fall)】 | Research and Experiments III(E) 【Mechanical Engineering(For entrance in fall)】 | MEC-16-1-6 |
| 48 | Research and Experiments IV(E) 【Mechanical Engineering(For entrance in fall)】 | Research and Experiments IV(E) 【Mechanical Engineering(For entrance in fall)】 | MEC-16-1-6 |
| 49 | Advanced Organic Chemistry (E) | Advanced Organic Chemistry (E) | ORC-16-1-6 |
| 50 | Advanced Inorganic Chemistry (E) | Advanced Inorganic Chemistry (E) | INC-16-1-6 |
| 51 | Advanced Physical Chemistry (E) | Advanced Physical Chemistry (E) | PHC-16-1-6 |
| 52 | Advanced Analytical Chemistry (E) | Advanced Analytical Chemistry (E) | ANC-16-1-6 |
| 53 | Advanced Transport Phenomena (E) | Advanced Transport Phenomena (E) | PCE-16-1-6 |
| 54 | Internship (E) | Internship (E) | CAE-16-1-6 |
| 55 | Research and Experiments I(E) 【Applied Chemistry(For entrance in spring)】 | Research and Experiments I(E) 【Applied Chemistry(For entrance in spring)】 | APC-16-1-6 |
| 56 | Research and Experiments II(E) 【Applied Chemistry(For entrance in spring)】 | Research and Experiments II(E) 【Applied Chemistry(For entrance in spring)】 | APC-16-1-6 |
| 57 | Research and Experiments III(E) 【Applied Chemistry(For entrance in spring)】 | Research and Experiments III(E) 【Applied Chemistry(For entrance in spring)】 | APC-16-1-6 |
| 58 | Research and Experiments IV(E) 【Applied Chemistry(For entrance in spring)】 | Research and Experiments IV(E) 【Applied Chemistry(For entrance in spring)】 | APC-16-1-6 |
| 59 | Research and Experiments I(E) 【Applied Chemistry(For entrance in fall)】 | Research and Experiments I(E) 【Applied Chemistry(For entrance in fall)】 | APC-16-1-6 |
| 60 | Research and Experiments II(E) 【Applied Chemistry(For entrance in fall)】 | Research and Experiments II(E) 【Applied Chemistry(For entrance in fall)】 | APC-16-1-6 |
| 61 | Research and Experiments III(E) 【Applied Chemistry(For entrance in fall)】 | Research and Experiments III(E) 【Applied Chemistry(For entrance in fall)】 | APC-16-1-6 |
| 62 | Research and Experiments IV(E) 【Applied Chemistry(For entrance in fall)】 | Research and Experiments IV(E) 【Applied Chemistry(For entrance in fall)】 | APC-16-1-6 |
| 63 | Advanced Analysis | Advanced Analysis | BAA-16-1-6 |
| 64 | Advanced Numerical Analysis (E) | Advanced Numerical Analysis (E) | STS-16-1-6 |
| 65 | Advanced Difference / Differential Equations (E) | Advanced Difference / Differential Equations (E) | MMA-16-1-6 |
| 66 | Advanced Natural Environment Studies (E) | Advanced Natural Environment Studies (E) | EAP-16-1-6 |
| 67 | Advanced Earth and Planetary Environment Science (E) | Advanced Earth and Planetary Environment Science (E) | EAP-16-1-6 |
| 68 | Advanced Ecology (E) | Advanced Ecology (E) | ECE-16-1-6 |
| 69 | Advanced Human and Environmental Studies(E) | Advanced Human and Environmental Studies(E) | GEC-16-1-6 |
| 70 | Internship (E) | Internship (E) | CAE-16-1-6 |
| 71 | Research and Experiments I(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | Research and Experiments I(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | SCI-16-1-6 |
| 72 | Research and Experiments II(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | Research and Experiments II(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | SCI-16-1-6 |
| 73 | Research and Experiments III(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | Research and Experiments III(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | SCI-16-1-6 |
| 74 | Research and Experiments IV(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | Research and Experiments IV(E) 【Science of Environment and Mathematical Modeling(For entrance in spring)】 | SCI-16-1-6 |
| 75 | Research and Experiments I(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | Research and Experiments I(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | SCI-16-1-6 |
| 76 | Research and Experiments II(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | Research and Experiments II(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | SCI-16-1-6 |
| 77 | Research and Experiments III(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | Research and Experiments III(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | SCI-16-1-6 |
| 78 | Research and Experiments IV(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | Research and Experiments IV(E) 【Science of Environment and Mathematical Modeling(For entrance in fall)】 | SCI-16-1-6 |

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|-----|--|--|------------|
| 79 | Electric Circuit Theory (E) | Electric Circuit Theory (E) | PEP-16-1-6 |
| 80 | Nonlinear Physics(E) | Nonlinear Physics(E) | MPF-16-1-6 |
| 81 | Materials Chemistry(E) | Materials Chemistry(E) | MAC-16-1-6 |
| 82 | Applied Mathematical Analysis (E) | Applied Mathematical Analysis (E) | GMT-16-1-6 |
| 83 | Biology (E) | Biology (E) | BLS-16-1-6 |
| 84 | Neuroscience (E) | Neuroscience (E) | NGN-16-1-6 |
| 85 | Ethics for Scientists and Engineers(E) | Ethics for Scientists and Engineers(E) | SCI-16-1-6 |
| 86 | Technology and Business Project Management(E) | Technology and Business Project Management(E) | MAN-16-1-6 |
| 87 | Science and Engineering Writing 1 (E) | Science and Engineering Writing 1 (E) | ENG-16-1-6 |
| 88 | Science and Engineering Writing 2 (E) | Science and Engineering Writing 2 (E) | ENG-16-1-6 |
| 89 | Presentation Skills for Scientists and Engineers (E) | Presentation Skills for Scientists and Engineers (E) | CAE-16-1-6 |
| 90 | R & D Planning for Scientists and Engineers(E) | R & D Planning for Scientists and Engineers(E) | CAE-16-1-6 |
| 91 | Japanese Corporate Culture(E) | Japanese Corporate Culture(E) | JAS-16-1-6 |
| 92 | Information and Communication Technology (E) | Information and Communication Technology (E) | WIS-16-1-6 |
| 93 | Advanced Statistical Finance (E) | Advanced Statistical Finance (E) | ECS-16-1-6 |
| 94 | Advanced Atmospheric Environment Studies (E) | Advanced Atmospheric Environment Studies (E) | MPO-16-1-6 |
| 95 | Advanced Biodiversity Science (E) | Advanced Biodiversity Science (E) | BIS-16-1-6 |
| 96 | Advanced Digital Signal Processing(E) | Advanced Digital Signal Processing(E) | MEE-16-1-6 |
| 97 | Advanced Optical Communication Engineering (E) | Advanced Optical Communication Engineering(E) | CNE-16-1-6 |
| 98 | Advanced Information and Computer Sciences I (E) | Advanced Information and Computer Sciences I (E) | SCI-16-1-6 |
| 99 | Advanced Data Science (E) | Advanced Data Science (E) | STS-16-1-6 |
| 100 | Advanced Pattern Recognition (E) | Advanced Pattern Recognition (E) | INI-16-1-6 |
| 101 | Chemical Biology (E) | Chemical Biology (E) | CHB-16-1-6 |