

2. Lectures in Graduate Schools

(1) Lectures in Graduate School of Engineering

Irradiation Effects in Nuclear and Their Related Materials

Prof. Masayuki HASEGAWA

Nuclear Nano Materials Physics	credit : 2	2004 . 4 - 2004 . 9
Quantum and Statistical Mechanics	credit : 2	2004 . 4 - 2005 . 9

Irradiation Effects in Nuclear and Their Related Materials

Assoc. Prof. Yasuyoshi NAGAI

Nuclear Nano Materials Physics	credit : 2	2004 . 4 - 2004 . 9
Quantum and Statistical Mechanics	credit : 2	2004 . 4 - 2004 . 9

Nuclear Materials Science

Prof. Tatsuo SHIKAMA

Solid State Physics	credit : 2	2004 . 4 - 2004 . 9
Engineering of Materials for Application in Irradiation Environments	credit : 2	2004 . 10 - 2005 . 3

Nuclear Materials Science

Assoc. Prof. Shinji NAGATA

Solid State Physics	credit : 2	2004 . 4 - 2004 . 9
Engineering of Materials for Application in Irradiation Environments	credit : 2	2004 . 9 - 2005 . 3

Nuclear Materials Engineering

Prof. Hideki MATSUI

Materials for Nuclear Energy Systems	credit : 2	2004 . 4 - 2004 . 9
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Nuclear Materials Engineering

Assoc. Prof. Yuki SATOH

Materials for Nuclear Energy Systems	credit : 2	2004 . 4 - 2004 . 9
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Physics of Electronic Materials

Prof. Takafumi YAO

Structure Analysis of Crystals and Surfaces	credit : 2	2004 . 4 - 2004 . 9
Physics of Electronic Materials B	credit : 2	2004 . 10 - 2005 . 3

Physics of Electronic Materials

Assoc. Prof. Meoung-Whan CHO

Physics of Electronic Materials B	credit : 2	2004 . 10 - 2005 . 3
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Chemical Physics of Non-Crystalline Materials

Assoc. Prof. Koichi HAYASHI

Physics of Electrons in Solids	credit : 2	2004 . 4 - 2004 . 9
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Non-Equilibrium Materials

Prof. Akihisa INOUE

Nonequilibrium Materials	credit : 2	2004 . 4 - 2004 . 9
Advanced Studies on Nano-Structured Materials	credit : 2	2004 . 8 - .
Advanced Topics on High Performance Materials(International Doctoral Program)	credit : 2	2004 . 8 - .

Non-Equilibrium Materials

Assoc. Prof. Akira TAKEUCHI

Nonequilibrium Materials	credit : 2	2004 . 4 - 2004 . 8
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Non-Equilibrium Materials

Assoc. Prof. Masashi HASAGAWA

Nonequilibrium Materials	credit : 2	2004 . 4 - 2004 . 7
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Magnetic Materials

Prof. Koki TAKANASHI

Advanced Topics on High Performance Materials	credit : 2	2004 . 8 - 2004 . 8
Magnetic Device Materials	credit : 2	2004 . 10 - 2005 . 3

Magnetic Materials

Assoc. Prof. Seiji MITANI

Magnetic Device Materials	credit : 2	2004 . 10 - 2005 . 3
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Multi-Functional Materials Science

Prof. Takashi GOTO

Advanced Ceramic Materials	credit : 2	2004 . 4 - 2004 . 9
Functional Control Processing for Materials	credit : 2	2004 . 4 - 2005 . 3
Deformation Processing for International Students	credit : 4	2004 . 4 - 2005 . 3

Multi-Functional Materials Science

Assoc. Prof. Masumoto, Hiroshi

Advanced Ceramic Materials	credit : 2	2004 . 4 - 2004 . 9
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Deformation Processing

Prof. Shuji HANADA

Structral Materials Engineering in Processing	credit : 2	2004 . 9 - 2005 . 3
Materials Engineering in Processing	credit : 2	2004 . 4 - 2004 . 9

Deformation Processing

Assoc. Prof. Naoya MASAHASHI

Structural Materials Engineering in Processing	credit : 2	2004 . 9 - .
Materials Engineering in Processing	credit : 2	2004 . 4 - .

Radiochemistry of Metals

Prof. Yoshinobu SHIOKAWA

Advanced Quantum Theoretic Materials	credit : 2	2000 . 4 - .
Engineering for Actinide Materials	credit : 2	2004 . 4 - 2004 . 9

Analytical Science	Prof. Kazuaki WAGATSUMA
Eco-Analytical Science	credit : 2 2004 . 4 - 2004 . 9

Nano-Metallurgy for High Temperature Metals	Assoc. Prof. Junsaku NITTA
Physics of Electrons in Solids	credit : 2 2004 . 4 - 2004 . 9

International Research Center for Nuclear Materials Science	Assoc. Prof. Hiroaki KURISHITA
Materials for Nuclear Energy Systems	credit : 2 2004 . 4 - 2004 . 9
Experimental Nuclear System Engineering	credit : 2 2004 . 4 - 2004 . 9

International Research Center for Nuclear Materials Science	Assoc. Prof. Isamu SATOH
Engineering for Actinide Materials	credit : 2 2003 . - .

International Research Center for Nuclear Materials Science	Assoc. Prof. Toshiaki MITSUGASHIRA
Engineering for Actinide Materials	credit : 2 1992 . 6 - .

International Research Center for Nuclear Materials Science	Assoc. Prof. Kenji KONASHI
Nuclear Nano Materials Physics	credit : 2 2004 . 4 - 2004 . 9
Quantum and Statistical Mechanics	credit : 2 2004 . 4 - 2004 . 9

International Research Center for Nuclear Materials Science	Assoc. Prof. Asahi KAWASHIMA
Engineering of Materials for Application in Irradiation Environments	credit : 2 2000 . - .

Laboratory for Advanced Materials	Prof. Katsuhiko ASAMI
Interfacial Control of Functionality Materials	credit : 2 2004 . 10 - 2005 . 3
Seminar on Nano-Structured Materials	credit : 4 2004 . 4 - 2005 . 3
Master Course Seminar on Materials Science	credit : 6 2004 . 4 - 2005 . 3
Advanced Studies on Nano-Structured Materials (Intensive Course)	credit : 2 2004 . 8 - 2004 . 8
Advanced Seminar on Nano-Structured Materials	credit : 4 2004 . 4 - 2005 . 3
Doctor Course Seminar on Materials Science	credit : 8 2004 . 4 - 2005 . 3

Laboratory for Advanced Materials	Assoc. Prof. Sluiter Marcel Henricus FRANCISCUS
Computational Materials Science	credit : 2 2004 . 4 - 2004 . 9

Laboratory for Advanced Materials		Assoc. Prof. Hisamichi KIMURA
Nonequilibrium Materials	credit : 2	2004 . - .
High Field Laboratory for Superconducting Materials		Prof. Kazuo WATANABE
Superconducting Materials A	credit : 2	2004 . 4 - 2004 . 9

(2) Lectures in Graduate School of Science

Surface and Interface Research		Prof. Toshio SAKURAI
Surface Physics	credit : 2	2004 . 10 - 2005 . 1
Surface and Interface Research		Assoc. Prof. Yasunori FUJIKAWA
Surface Physics	credit : 2	2004 . 10 - 2005 . 1
Neutron and γ-Ray Spectroscopy on Condensed Matters		Prof. Kazuyoshi YAMADA
Metal Physics	credit : 2	2004 . 10 - 2005 . 3
Crystal Chemistry		Prof. Satoshi UDA
Advanced Solid State Chemistry IIA	credit : 1	2004 . 4 - 2004 . 9

(3) Lectures in Graduate School of Environmental Studies

High-Temperature Materials Science		Assoc. Prof. Kazumasa TOGANO
Functional Materials for Eco-friendly Systems	credit : 2	2004 . 10 - 2005 . 3
Ecomaterial Design and Process Engineering	credit : 2	2004 . 4 - 2004 . 9
Advanced Functional Materials for Environmental-friendly Systems	credit : 2	2004 . 4 - 2005 . 3
High-Temperature Materials Science		Assoc. Prof. Shin-ichi ORIMO
Functional Materials for Eco-friendly Systems	credit : 2	2004 . 10 - 2005 . 3
Advanced Functional Materials for Environmental-friendly Systems	credit : 2	2004 . 4 - 2005 . 3

(4) Lectures in Faculty of Engineering or Faculty of Science

Crystal Physics		Prof. Kazuo NAKAJIMA
Theory of Solid State I, II	credit : 2	2004 . 10 - 2004 . 12
Magnetism		Prof. Hiroyuki NOJIRI
Solid State Physics	credit : 2	2004 . 10 - 2005 . 3
Low Temperature Physics		Prof. Norio KOBAYASHI
Theory of Solid State I	credit : 0.1	2004 . 10 - 2005 . 2
Low Temperature Condensed State Physics		Prof. Yoshihiro IWASA
Solid State Physics	credit : 2	2004 . 10 - 2005 . 3
Physics of Crystal Defects		Assoc. Prof. Ichiro YONENAGA
Solid State Physics	credit : 2	2004 . 12 - 2004 . 12
Materials Design by Computer Simulation		Prof. Yoshiyuki KAWAZOE
Computational Materials Science	credit : 2	2004 . 4 - 2004 . 9
Nano-Structured Materials	credit : 2	2004 . 4 - 2004 . 9
Nuclear Materials Engineering		Prof. Hideki MATSUI
Materials Science	credit : 1.5	2004 . 10 - 2005 . 3
Materials Engineering for Energy System	credit : 2	2004 . 4 - 2004 . 9
Radiochemistry of Metals		Prof. Yoshinobu SHIOKAWA
Materials Science for Functional Devices	credit : 2	2004 . 4 - 2004 . 9
Analytical Science		Prof. Kazuaki WAGATSUMA
Analytical Science for Materials	credit : 2	2004 . 4 - 2004 . 9
International Frontier Center for Advanced Materials		Prof. Hidetoshi FUKUYAMA
Topics in Condensed Matter Physics	credit : 2	2004 . 10 - 2004 . 12

(5) Lectures for All Undergraduate Students

Theory of Solid State Physics		Prof. Sadamichi MAEKAWA
Basic Seminar	credit : 2	2004 . 4 - 2004 . 8

Neutron and γ -Ray Spectroscopy on Condensed Matters

Prof. Kazuyoshi YAMADA

Basic Seminar

credit : **2** 2004 . 4 - 2004 . 7

Irradiation Effects in Nuclear and Their Related Materials

Prof. Masayuki HASEGAWA

Solid State Physics

credit : **2** 2004 . 4 - 2004 . 9

Quantum Mechanics

credit : **2** 2004 . 10 - 2005 . 3

Irradiation Effects in Nuclear and Their Related Materials

Assoc. Prof. Yasuyoshi NAGAI

Solid State Physics

credit : **2** 2004 . 4 - 2004 . 9

Quantum Mechanics

credit : **2** 2004 . 4 - 2005 . 3

Nuclear Materials Science

Assoc. Prof. Shinji NAGATA

Physics C

credit : **2** 2003 . 4 - .

Crystal Chemistry

Prof. Satoshi UDA

Basic Seminar

credit : **2** 2004 . 4 - 2004 . 9

High-Temperature Materials Science

Prof. Kazumasa TOGANO

Basic Seminar "Energy Problems and Superconductivity"

credit : **2** 2004 . 4 - 2004 . 9

Deformation Processing

Assoc. Prof. Naoya MASAHASHI

Materials Science (Mechanical Property(1)(2))

credit : **2** 2004 . 4 - 2005 . 3

Physics B

credit : **2** 2004 . 4 - 2005 . 9

Laboratory for Advanced Materials

Prof. Katsuhiko ASAMI

Introductory Seminar

credit : **2** 2004 . 4 - 2004 . 9

High Field Laboratory for Superconducting Materials

Assoc. Prof. Satoshi AWAJI

Physics C

credit : **2** 2004 . 4 - 2004 . 9

(6) Lectures for Other Universities

Crystal Physics

Prof. Kazuo NAKAJIMA

Osaka univ., Graduate School of Engineering, Part-time Lecturer, "Special Lectures in Electrical Engineering II"

credit : **2** 2004 . 10 - 2005 . 3

Nagoya univ., School of Engineering, Part-time Lecturer, Special Lectures in Materials Engineering A3	credit : 2	2004 . 10 - 2005 . 3
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Magnetism

Prof. Hiroyuki NOJIRI

Special Class for Electronic Solid State Physics 1	credit : 2	2004 . 6 - 2004 . 7
Quantum Solid State Physics	credit : 4	2004 . 4 - 2005 . 3

Neutron and γ -Ray Spectroscopy on Condensed Matters

Assoc. Prof. Kenji OHYAMA

Nagoya univ., (Special Class)	credit : 1	2004 . 12 - 2004 . 12
Special lecture	credit : 1	2004 . 12 - 2004 . 12

Materials Design by Computer Simulation

Prof. Yoshiyuki KAWAZOE

Laboratories for Venture Businesses, Kyoto Univ	credit : 2	2004 . 12 - 2004 . 12
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Magnetic Materials

Prof. Koki TAKANASHI

Hachinohe Institute of Technology, "Magnetic Engineering"	credit : 2	2004 . 10 - 2005 . 3
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High-Temperature Materials Science

Prof. Kazumasa TOGANO

Tokyo Univ. of Science, Faculty of Industrial Science and Technology "Materials Engineering Special Lecture"	credit : 2	2004 . 4 - 2004 . 9
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Multi-Functional Materials Science

Prof. Takashi GOTO

Special Lecture at Wuhan University of Technology : Preparation of Ferro-electric Films and their Characterization BaTiO ₃ and Related Compounds	credit :	2004 . 6 - 2004 . 6
Special Lecture at Wuhan University of Technology : Thermal Barrier Coating —Recent and Future—	credit :	2004 . 6 - 2004 . 6

Analytical Science

Prof. Kazuaki WAGATSUMA

Kyungnam University, Department of Chemistry, Masan, Korea : "Analytical Performance of Okamoto-cavity Microwave Induced Plasma Optical Emission Spectrometry"	credit :	2004 . 11 - 2004 . 11
Changwon National University, Department of Chemistry, Korea : "Intensity Enhancement of Emission Lines Encited by Radio-frequency glow Discharge Plasma Associated with Bias-current Introduction and the Analytical Application"	credit :	2004 . 5 - 2004 . 5

Laboratory for Advanced Materials

Prof. Katsuhiko ASAMI

Invited Talk at Swiss Federal Institute of Technology Lausanne (EPFL): Surfaces of Amorphous Alloys Studied by XPS and AES	credit :	2004 . 7 - 2004 . 7
Invited Talk at Arrhenius Laboratory, Stockholm University: Application of Amorphous Alloys and Related Substances to Environmental Problems	credit :	2004 . 9 - 2004 . 9

Hokkaido University: Study on Amorphous Alloy Surfaces by
XPS and AES

credit :

2005 . 2 - 2005 . 2