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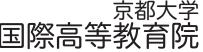




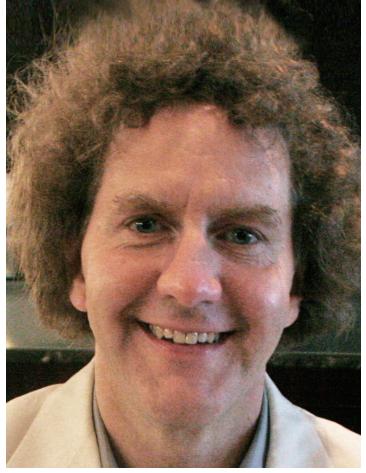












The course focusses on exploring the use of visual analysis to learn about and understand global diversity. It will emphasize the content and analytical tools of cultural anthropology to understand an array of cultural settings around the globe as well as consider the strengths and weaknesses of visual approaches (esp. ethnographic and documentary film) for doing so.

Jon HOLTZMAN Western Michigan University

Seeing Culture-E2:

Understanding Global Diversity through Visual Analysis

February 7 (Wed) - March 1 (Thu)

集 中 講 義

開講日・曜時限 Course offered day/period

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人文·社会科学科目群 対象学生:全学向

対象学年:主として1・2回生

教室:吉田南構内国際高等教育院棟21演習室

Humanities and Social Sciences Eligible students: All majors

Grade allotted: Mainly 1st and 2nd year students

Classroom: 21 Seminar Room, ILAS Bldg., Yoshida-South Campus

申込期間:初回授業日の1週間前の17時まで申込を受け付けます。申込をもって履修登録とします。ただし、申込者が多数の場合は急遽、履修人数制限を実施することがあります。 なお、担当教員の許可があれば履修登録せずに聴講することは可能ですが、単位は認定されません。

申込方法:メールで申し込んでください。件名を「集中講義申込」として、本文に学生番号、所属学部・研究科、回生、氏名および履修希望の科目名を明記の上、<u>apply@mail2.adm.kyoto-u.ac.jp</u> 宛に送信してください。

履修取消:受講を取り止める場合は、2日目の授業日の当日中までに申込時と同じメールアドレス宛に申し出てください。期限以降は、履修取消を認めません。

注音車項:「本学予で者がてれらの集中講義を関係した場合、成績製生が名学歌の本業判定までに関に合わないことがあります。 2 講義内容等の詳細はシラバスを確認してください

How to apply

申込について

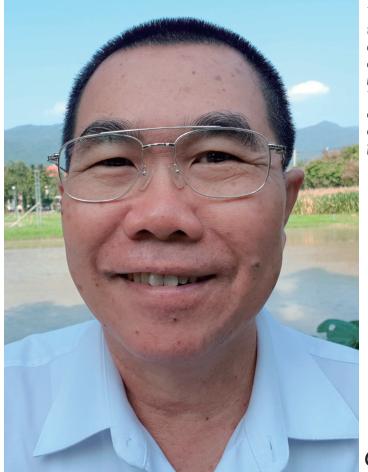
Application deadline: Application is accepted by 17:00 of the day one week prior to the first class date. It is treated as the class registration. If the number of applicants exceeds the quota, the number of participants will be limited. If there is permission from the instructor, students can audit the course without class registration, but in that case, the credits are not given.

Application procedure: Accepted only via emails. Applicants are requested to send an email titled "Application for Intensive Lecture" to apply@mail2.adm.kyoto-u.ac.jp. In the email body, please write your student ID number, faculty/graduate school, grade, name and title of the course that you would like to register.

Class withdrawal: If you would like to withdraw from a course, please send an email to apply@mail2.adm.kyoto-u.ac.jp by the end of the second day of the course. After the deadline, it is not accepted

Note: 1. Graduating students taking these intensive courses should be aware that the score reports may not make the examination of graduation at each faculty. 2. Please check out the syllabus for more details of the courses.





This course will focus on the impacts of climate change on food production systems, especially on rice production systems. The current nature of scientific as well as evidence of the changing climate will be shown and discussed. The course will provide key understanding on the connection between food production and climate, using agroecosystem approaches. The course will introduce information systems as collaborative tools to assess the impacts of climate change on rice production systems as well as alternative options to collectively adapt to the changing climate in the

Attachai JINTRAWET
Chiang Mai University

Impacts of Climate Change on Food Production-E2

February 7 (Wed) - March 1 (Thu)

統合科学科目群

対象学年:主として1回生

教室:吉田南構内国際高等教育院棟22演習室

Interdisciplinary Sciences

Eligible students: All majors

Grade allotted: Mainly 1st year students

Classroom: 22 Seminar Room, ILAS Bldg., Yoshida-South Campus

申込について

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Early in the 20th century, phenomena which can not be understood by classical physics were observed one after another in experiments, and this triggered the foundation of quantum mechanics. In this lecture, learning the fundamentals of quantum mechanics through the history of physics development led by Schrödinger, Dirac, and Feynman, and we will study the behavior of electrons in the solid.

Laurent CHAPUT Lorraine University

Introduction to Quantum Mechanics of Solids-E2

February 13 (Tue) - March 9 (Fri)

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自然科学科目群 対象学生:理系 対象学生:全回生

教室:本部構内物理系校舎316号室(2/13-16)、物理系校舎527号室(2/19-3/9)

Natural Sciences

Eligible students: Science students

開講日・曜時限 Course offered day/period

Grade allotted: All students

Classroom: room 316 (Feb 13 - 16), room 527 (Feb 19 - Mar 9), Faculty of Engineering Engineering

Science Depts Bldg., Main Campus (Bldg. No. 57 of the campus map)

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回网古华教李陀

育院 ILA



As is well known, unprecedented economic and industrial developments have been achieved in our world, however resulting in severe pollution and environmental disturbance problems in ecosystems consequently. Ecology mainly deals with the totality of relationships among biological and abiological components in ecological systems to address abundance/distribution of populations/communities, and energy efficiency and biogeochemical cycling in ecosystems. The efforts to restore the damaged ecosystems have been greatly emphasized, striving to reestablish precious ecosystems through monitoring, conservation, and recovery. In this course the students will learn how effectively ecological sciences could be realized to achieve the goal of ecosystem safety, stability and sustainability in the sharply contrasting ecological situations, severe anthropogenic impacts versus serious efforts to restore damages. In addition to basice concepts in ecology, recent progress and future perspectives will be discussed with the focus on linking society and academic fields including interfacing ecological objects (e.g., individual animal, landscape), mobile sensor networks, eco-evolutionary processes, molecular ecology, and social collaborations. The course would provide I) history and scope of ecology, 2) key concepts in ecology regarding abudance, distribution, bio-diversity, energy efficiency, and biogeochemical cycling at different hierarchical levels in life systmes (e.g., population, community, ecosystem), 3) ecology from functional/methodological aspects including different academic disciplines, and 4) realization of ecological principles in human societies.

Tae-Soo CHON

Pusan National University

Ecological Sciences-E2:

Theory and Practice applied to Nature and Society in Disturbed Ecosystems in an Integrative Framework



February 13 (Tue) - 23 (Fri)

開講日・曜時限 Course offered day/period

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統合科学科目群

対象学生:理系 対象学年:全回生

教室:北部構内基礎物理学研究所(研究棟)K206号室(キャンパスマップ12番)

Interdisciplinary Sciences

Eligible students: Science students

Grade allotted: All students

Classroom: K206 room, Yukawa Institute for Theoretical Physics (Research Building)., North Campus (Bldg. No. 12 of the campus map)

ます。ただし、申込者が多数の場合は急遽、履修人数制限を実施することがあります。 なお、担当教員の許可があれば履修登録せずに聴講することは可能ですが、単位は認定されません

How to apply

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Note: 1. Graduating students taking these intensive courses should be aware that the score reports may not make the examination of graduation at each faculty. 2. Please check out the syllabus for more details of the courses.





The lectures will cover the fundamentals of scientific writing. We begin with the question "What is a scientific paper?" and proceed to carry out a comprehensive treatment of the writing of scientific papers. We will discuss the most effective way of organizing a paper and constructing arguments on the basis of a scientific way of thinking. Also, we will discuss numerous points regarding the proper usage of English in scientific papers.



Glenn PAQUETTE

The University of Washington

The Fundamentals of Writing Scientific Papers-E3

February 14 (Wed) - March 16 (Fri)



開講日・曜時限 Course offered day/period

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キャリア形成科目群

对象学生:理系 对象学年:2回生以上

教室:本部構内総合研究12号館地下003講義室

Career Denelopment

Eligible students: Science students Grade allotted: 2nd year students or above Classroom: 003 Lecture room, Research Bldg. No. 12 B1F, Main Campus (Bldg. No. 54 of the campus map)

申込について

申込期間:初回授業日の1週間前の17時まで申込を受け付けます。申込をもって履修登録とします。

申込方法:メールで申し込んでください。件名を「集中講義申込」として、本文に学生番号、所属学部・研究科、回生、氏名および履修希望の科目名を明記の上、<u>apply@mail2.adm.kyoto-u.ac.jp</u> 宛に送信してください。 なお、本講義は定員25名(先着順)とします。

履修取消:受講を取り止める場合は、2日目の授業日の当日中までに申込時と同じメールアドレス宛に申し出てください。期限以降は、履修取消を認めません。

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How to apply

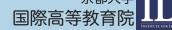
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Class withdrawal: If you would like to withdraw from a course, please send an email to apply@mail2.adm.kyoto-u.ac.ip by the end of the second day of the course. After the deadline, it is not accepted.

Note: 1. Graduating students taking these intensive courses should be aware that the score reports may not make the examination of graduation at each

faculty. 2. Please check out the syllabus for more details of the courses.





An introduction to the burden that infectious diseases have imposed and continue to place on our society. We will trace the evolution of our knowledge on infectious diseases from the discovery of microbes through to today and how we have and continue to fight against their public health impact.

The aim of this course is to provide a chronological journey through our understanding of and combat against infectious diseases from the Middle Ages through to the present day. At the end of the course students will have a general understanding of infectious diseases, the key points that have marked our fight against these diseases, the current day situation and the prospects for the future.

Richard PAUL Institut Pasteur

Infectious Diseases and Public Health-E2

February 15 (Thu) - March 9 (Fri)



自然科学科目群

対象学生:全学向 対象学年:全回生

教室:病院西構内南部総合研究1号館1階セミナー室 (キャンパスマップの病院西構内建物番号31番)

Natural Sciences

Eligible students: All majors Grade allotted: All students Classroom: Seminar Room (1F), South Research Building No.1, University Hospital West Campus (Bldg. No. 31 of the Campus Map)

開講日・曜時限 Course offered day/period

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由込について

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This lecture intends to bring an overview of the history and the actual status of European Social Security Systems It will not focus only on narrow legal topics but will show the development of social security systems as result of a European history, a specific mindset and imagination of the relation between individuals and society. The interdependencies between social security, the status of families, the status of legal regulation and specific institutions will be shown.

Wolfgang MAZAL University of Vienna

European Social Security Models-E2

February 19 (Mon) - 23 (Fri)

開講日・曜時限 Course offered day/period

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人文·社会科学科目群 対象学生:全学向 対象学年:全回生

教室:吉田南構内国際高等教育院棟24演習室

Humanities and Social Sciences Eligible students: All majors Grade allotted: All students

Classroom: 24 Seminar Room, ILAS Bldg., Yoshida-South Campus

申込期間:初回授業日の1週間前の17時まで申込を受け付けます。申込をもって履修登録とします。ただし 多数の場合は急遽、履修人数制限を実施することがあります。 なお、担当教員の許可があれば履修登録せずに聴講することは可能ですが、単位は認定されません。

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注意事項: 1. この科目は昨年度に開講された集中講義と同一の科目です。2. 卒業予定者がこれらの集中講義を履修した場合、成績報告が各学部の卒業判定までに間に合わないことがあります。3. 講義内容等の詳細は

How to apply

申込について

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Geographic Information Systems (GIS) technology can be widely applied to a broad spectrum of natural and social sciences, humanities, environmental studies, engineering, and management. Examples include urban and regional planning, disease mapping, agricultural monitoring, wildlife habitat mapping, emergency management, transportation planning, consumer analysis, and more. This course will help students understand the foundations of GIS and learn practical skills for applying GIS and spatial analysis to solve real-world geographical problems. This course will require students bring a Windows-based laptop to class with appropriate software installed. We will use Quantum GIS (QGIS), which can be downloaded freely from the Internet, and Esri ArcGIS Desktop, which is available as a free 180-day trial license included in the course textbook (see the syllabus for

Janet NACKONEY **University of Maryland**

Geographic Information Systems (GIS)-E2:

Introduction and Spatial Analysis

February 20 (Tue) - March 2 (Fri)

開講日・曜時限 Course offered day/period

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人文·社会科学科目群 対象学生:全学向 対象学年:全回生

教室:吉田南構内国際高等教育院棟21演習室

Humanities and Social Sciences Fligible students: All majors Grade allotted: All students

Classroom: 21 Seminar Room, ILAS Bldg., Yoshida-South Campus

申込について

申込期間:初回授業日の1週間前の17時まで申込を受け付けます。申込をもって履修登録とします。ただし、申込者が多数の場合は急遽、履修人数制限を実施することがあります。

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申込方法:メールで申し込んでください。 件名を「集中講義申込」として、本文に学生番号、所属学部・研究科、回生、氏名および履修希望の科目名を明記の上、<u>apply@mail2.adm.kyoto-u.ac.jp</u> 宛に送信してください。

履修取消: 受講を取り止める場合は、2日目の授業日の当日中までに申込時と同じメールアドレス宛に申し出てください。期限以降は、履修取消を認めません。

How to apply

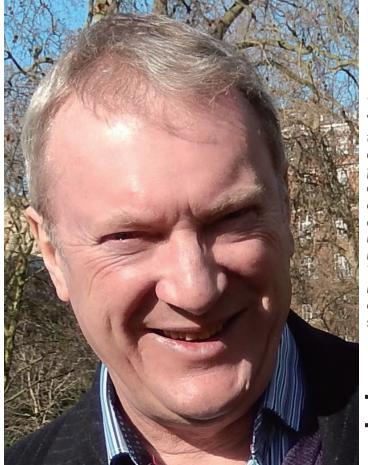
Application deadline: Application is accepted by 17:00 of the day one week prior to the first class date. It is treated as the class registration. If the number of applicants exceeds the quota, the number of participants will be limited. If there is permission from the instructor, students can audit the course without class registration, but in that case, the credits are not given. Application procedure: Accepted only via emails. Applicants are requested to send an email titled "Application for Intensive Lecture" to apply@mail2.adm.kyoto-u.ac.jp.

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Class withdrawal: If you would like to withdraw from a course, please send an email to apply@mail2.adm.kyoto-u.ac.jp by the end of the second day of the course. After the deadline Note: 1. Graduating students taking these intensive courses should be aware that the score reports may not make the examination of graduation at each

faculty. 2. Please check out the syllabus for more details of the courses.





This course will examine two popular films about education. Freedom Writers is set in Los Angeles at a time of social unrest. It depicts a young teacher faced with very difficult students, addressing the wider context of racial tension and social unrest. Educating Rita is a humorous film that follows the experience of a mature student who embarks on a university course when she is in her late 20s. The film raises questions of social class and the difficulties of access to education. Both films consider education as a process of transformation, where experience in the classroom inevitably connects with the wider social context. Both raise questions about identity and about the relation to the past. They ask what education is for. The approach to the films will be a critical one, considering the ways that images of schooling and university life are turned into images for popular entertainment. The course will consider the effects of these forms of representation on notions of identity and human transformation.

Paul STANDISH

UCL Institute of Education

Philosophy, Film, and Education-E2

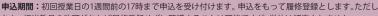


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人文·社会科学科目群 对象学生:全学向 対象学年:全回生

教室:吉田南総合館共北11講義室

Humanities and Social Sciences Eligible students: All majors Grade allotted: All students



申込者が多数の場合は急遽、履修人数制限を実施することがあります。

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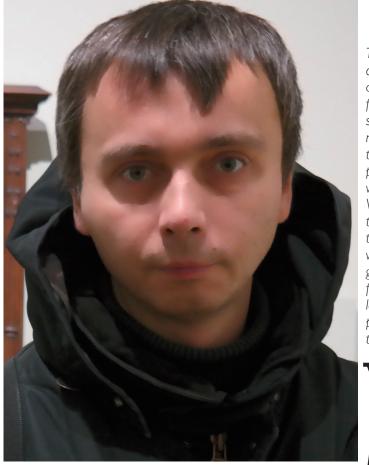
申込について

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In the email body, please write your student ID number, faculty/graduate school, grade, name and title of the course that you would like to register. Class withdrawal: If you would like to withdraw from a course, please send an email to apply@mail2.adm.kyoto-u.ac.jp by the end of the second day of the course. After the deadline, it is not accepted.

Note: 1. This course was provided also last academic year. 2. Graduating students taking these intensive courses should be aware that the score reports may not make the examination of graduation at eachfaculty. 3. Please check out the syllabus for more details of the courses.





The course probes into the all-encompassing impact on the perception of the world imposed by the languages we speak. Not only in grammar, differences between languages are ever present and they attest to the fact that the world around the man is not homogeneous, but differently structured, and there are at least as many structures of the world as the number of languages in which the world is being perceived. This is one of the fundamental problems in the theory and practice of translation: the process of transmitting the "world literature" to the "world." The course will begin with the history of the concept of "world literature" (Johann Wolfgang von Goethe), the history of the debate on the relationship between language and thought and an outline of theoretical perspectives on translating literary texts. After this introductory theoretical part, the course will examine the process of solving difficulties posed by differences in linguistic vision of the world in the work of some outstanding translators. The focus will lie on translations of Lewis Carroll's Alice's Adventures in Wonderland into Chinese, French, German, Italian, Japanese, and Russian. Course participants are not expected to be proficient in all these languages, as all the translation instances will be re-translated into English by the lecturer.

Viatcheslav VETROV

Heidelberg University

World Literature – E2: The Linguistic Vision of the World

February 27 (Tue) - March 14 (Wed)



引講日・曜時限 Course offered day/period

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人文·社会科学科目群

対象学生:文系

対象学年:主として2回生

教室:吉田南構内国際高等教育院棟22演習室

Humanities and Social Sciences Eligible students: Liberal arts students Grade allotted: Mainly 2nd year students Classroom: 22 Seminar Room, ILAS Bldg., Yoshida-South Campus

RIGHT

申込について

申込期間:初回授業日の1週間前の17時まで申込を受け付けます。申込をもって履修登録とします。ただし、申込者が多数の場合は急遽、履修人数制限を実施することがあります。なお、担当教員の許可があれば履修登録せずに聴講することは可能ですが、単位は認定されません。

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腹腔外角・Xの時で収了止める物面はなこと自由の技术にはのヨロイカとに中元のでこ的した「ルノードレスがに中じ出て「ACCVっかは外内体の腹腔外内性ののあとれる 没音楽面は「A 女学名で学者だされるの作血講義者を腐体」とは全ては縁起生れ気学物の栄養制できておけました。 3

How to apply

Application deadline: Application is accepted by 17:00 of the day one week prior to the first class date. It is treated as the class registration. If the number of applicants exceeds the quota, the number of participants will be limited. If there is permission from the instructor, students can audit the course without class registration, but in that case, the credits are not given.

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Class withdrawal: If you would like to withdraw from a course, please send an email to apply@mail2.adm.kyoto-u.ac.ip by the end of the second day of the course. After the deadline, it is not accepte Note: 1. Graduating students taking these intensive courses should be aware that the score reports may not make the examination of graduation at each

京都大学

faculty. 2. Please check out the syllabus for more details of the courses.



The Purpose of the course is to provide a descriptive and dynamical understanding of the importance of tidal phenomena in the Universe.

The goal of the course is to gain an understanding of tidal forces using basic math and dynamical descriptions, and to apply this dynamical understanding to explain various tidal phenomena ranging from well-studied Earth/Moon example to modern, novel studies (e.g. tidal heating of icy satellites, migration of exoplanets). Modern speculations on further tidal effects and the importance of tidal dynamics shall also be discussed.

Robert TYLER University of Maryland

Tides in the Universe-E2



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自然科学科目群 対象学生:全学向 対象学年:主として1・2回生

教室:北部構内理学研究科1号館5階 566室

Natural Sciences

Eligible students: All students

Grade allotted: Mainly 1st and 2nd year students

Classroom: 566 Room, Graduate School of Science Bldg. No. 1, North Campus

申込について

申込期間:初回授業日の1週間前の17時まで申込を受け付けます。申込をもって履修登録とします。ただし、申込者が多数の場合は急遽、履修人数制限を実施することがあります。

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履<mark>修取消:</mark>受講を取り止める場合は、2日目の授業日の当日中までに申込時と同じメールアドレス宛に申し出てください。 期限以降は、履修取消を認めません。

How to apply

Application deadline: Application is accepted by 17:00 of the day one week prior to the first class date. It is treated as the class registration. If the number of applicants exceeds the quota, the number of participants will be limited. If there is permission from the instructor, students can audit the course without class registration, but in that case, the credits are not given. **Application procedure:** Accepted only via emails. Applicants are requested to send an email titled "Application for Intensive Lecture" to apply@mail2.adm.kyoto-u.ac.ip.

nphication procedure. Accepted only via emission, applicants are requested to service an emission and the application of minerance execute to applyements, and in the email body, please write your student ID number, faculty/graduate school, grade, name and title of the course that you would like to register.

Class withdrawai: If you would like to withdraw from a course, please send an email to apply@mail2.adm.kyoto-u.ac.jp by the end of the second day of the course. After the deadline, it is not accepted. **Note:** 1. Graduating students taking these intensive courses should be aware that the score reports may not make the examination of graduation at each

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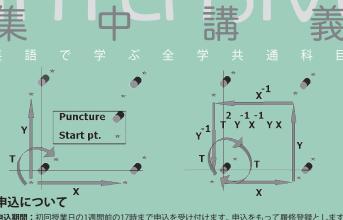
The Bessel functions are the key to the classical theory of special functions. They were a must for quite a few generations of mathematicians and physicists, but not anymore. However, a recent breakthrough made their theory much more general, understandable and algebraic. we will study them and then focus on the related theory of Hankel transform, which is a generalization of the classical Fourier transform; our approach is simple and transparent due to the algebraic methods we will use. We assume no prior knowledge of the Fourier transform. The main tool is the so-called rational Double Affine Hecke algebras (rational DAHA), which is a deformation of the celebrated Heisenberg algebra. Only the case of one variable will be considered and the exposition will be from scratch. We will start from the Heisenberg algebra. After that the definition of the rational DAHA takes few lines. No knowledge of special functions is required; only basic facts from linear algebra and differential equations will be actually used. There is almost no place in natural sciences where Fourier-type transforms are not used; wavelets, quantum computing, string theory are among applications. This mini-course is a good introduction to modern Fourier theory (from an algebraic perspective).

Ivan CHEREDNIK

University of North Carolina at Chapel Hill

New Algebraic Theory of Special Functions-E2

March 15 (Thu) - March 22 (Thu)



開講日・曜時限 Course offered day/period

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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自然科学科目群 対象学生:理系

対象学年:主として2回生以上

教室:北部構内理学研究科3号館110教室

Natural Sciences

Eligible students: Science students

Grade allotted: Mainly 2nd year students or above

Classroom: 110 Room, Graduate School of Science Bldg No. 3, North Campus

申込期間:初回授業日の1週間前の17時まで申込を受け付けます。申込をもって履修登録とします。ただし、申込者が多数の場合は急遽、履修人数制限を実施することがあります。

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主意事項:1. 卒業予定者がこれらの集中講義を履修した場合、成績報告が各学部の卒業判定までに間に合わないことがあります。2. 講義内容等の詳細はシラバスを確認してください

How to apply

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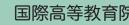
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The enhalt body, please white your student to handler, raculty graduate scribol, graduate scribol, with the course that you would like to withdraw from a course, please send an email to apply@mail2.adm.kyoto-u.ac.jp by the end of the second day of the course. After the deadline, it is not accepte

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古里尔士

faculty. 2. Please check out the syllabus for more details of the courses.





This course introduces students to qualitative approaches to social research. It examines the purpose of using qualitative methods, and some fundamental methodological issues when using these approaches. It also gives a practical introduction to central qualitative social research tools such as interviews, questionnaires, and observation. Students discuss actual research case studies, and undertake practical exercises to help them gain a better understanding of issues involved in this type of research. There is a special focus on educational research.

Peter CAVE

The University of Manchester

Qualitative Social Research-E2:

A Practical Introduction

March 19 (Mon) - March 26 (Mon)



開講日・曜時限 Course offered day/period

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人文·社会科学科目群 対象学生:文系 対象学年:全回生

教室:吉田南構内国際高等教育院棟23演習室

Humanities and Social Sciences Eligible students: Liberal arts students Grade allotted: All students Classroom: 23 Seminar Room, ILAS Bldg., Yoshida-South Campus.

申込について

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at eachfaculty. 2. Please check out the syllabus for more details of the courses.

