

NUPACE  
Academic Policies  
& Syllabi  
Autumn 2012

名古屋大学短期交換留学プログラム



# NUPACE Academic Calendar & Policies – Autumn 2012

## 1. Calendar

Oct 1 ~ Jan 25	NUPACE (Japan area studies; majors) & regular university courses
Oct 9 ~ Feb 4	University-wide Japanese Language Programme (UWJLP)
Jan 28 ~ Feb 8	Examination period for regular university courses
Dec 28 ~ Jan 7	Winter vacation for NUPACE & regular university courses
Dec 22 ~ Jan 13	Winter vacation for UWJLP programme

Apr 11 Spring 2013 semester commences

**National Holidays** (No classes will be held on the following days)

Oct 8	体育の日	(Health-Sports Day)
Nov 3	文化の日	(Culture Day)
Nov 23	労働感謝の日	(Labour Thanksgiving Day)
Dec 24	天皇誕生日	(Emperor's Birthday)
Jan 14	成人の日	(Coming-of-Age Day)
Feb 11	建国記念日	(National Foundation Day)
Mar 20	春分の日	(Vernal Equinox Day)

## 2. List of Courses Open to NUPACE Students

### Japanese Language Programmes

	p 8~
Standard Course in Japanese (7 Levels: SJ101~SJ301)	1~5 crdts p 9
Intensive Course in Japanese (6 Levels: IJ111~IJ212)	2~10crdts p 10
ビジネス日本語 I, III	1 credit p 11
漢字<Kanji>1000, 2000	1 credit p 11
オンライン日本語<Online Japanese>(中上級読解・作文)	0 credits p 11

### 入門講義 <J>\* (ECIS Introductory Courses Taught in Japanese)

国際関係論 I (Global Society I)	2 credits p 11
日本文化論 I (Introduction to Japanese Society & Culture I)	2 credits p 12
日本語学・日本語教育学 I (Introduction to Japanese Linguistics I)	2 credits p 13
言語学入門 I (Introduction to Linguistics I)	2 credits p 13

\*<J> Courses taught in Japanese and which require level 2/N2 of the Japanese Language Proficiency Test (JLPT), or equivalent.

**Other Foreign Language Courses** (Graduate School of Languages & Cultures) 2 credits p 14

**Courses in the Student's Major** (Provided that they meet the academic requirements specified, NUPACE students may opt to register for any of the courses below, irrespective of their school of affiliation.)

#### Education Center for International Students

A Multicultural Approach to Contemporary Issues	2 credits p 15
Sociology of Education: Equity, Citizenship, and Inclusion	2 credits p 15
Teaching Practice in the Japanese Community	2 credits p 16

#### School of Agricultural Sciences:

Introduction to Bioagricultural Sciences	2 credits p 17
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#### School of Economics

Economic Theory and Applications II	2 credits p 18
International Accounting B	2 credits p 18
Introductory Accounting 1	2 credits p 19
Law and Economics Workshop (1-year course)	2 credits p 20

School of Engineering:

Academic, Scientific, and Technical English	1 credit	p 21
Advanced Lecture on System Safety of Machinery	2 credits	p 21
Civil Engineering & Policies for Developing Countries II (Graduate)	2 credits	p 22
Introduction to Civil Engineering & Architecture	2 credits	p 22
Motor Control and Information Processing in the Biological System (Graduate)	2 credits	p 23
Overview of Advanced Electrical, Electronic & Information Engineering	2 credits	p 23
Science & Technology in Japan	2 credits	p 24

Graduate School of Environmental Studies

Biological Resource Management Policies	2 credits	p 25
Biological Resource Management Projects	2 credits	p 25
Climate Change Policies	2 credits	p 26
Environmental Industry Systems	2 credits	p 27
Planning and Design Studio for Historical Environment (1 <sup>st</sup> quarter; Graduate)	2 credits	p 27
Politics and Diplomacy in the International Environment (Graduate)	2 credits	p 28
Practice in Biological Resource Management	1 credit	p 29
Studio Workshop of Architectural Design (2 <sup>nd</sup> quarter; Graduate)	2 credits	p 29
Sustainability and Environmental Studies	2 credits	p 29
Water and Waste Engineering	2 credits	p 30

Graduate School of International Development (GSID):

Educational Development Planning and Evaluation	2 credits	p 32
Human Security and Law	2 credits	p 32
Japan's Development Experience	2 credits	p 33
Lecture on International Development 1: International Migration Theory	2 credits	p 33

Graduate School of Languages & Cultures (GLC):

Introduction to Sociolinguistics b: Introduction to Bilingualism	2 credits	p 34
Outline of Japanese Culture since the 16th Century: Japanese Culture since the First Encounter with Western Civilization until the Present	2 credits	p 35
Studies in International Culture: Map Appreciation 1	2 credits	p 35

In addition to the above courses, as of autumn 2012 the following G30 courses have been made available to NUPACE students. Access <http://www.lang.nagoya-u.ac.jp/G30/clc/pdf/course-descriptions-12fall.pdf> for further details or view copies of the syllabi in the NUPACE Office. NB. NUPACE students are not eligible for courses other than those listed below.

- Second Language Development; <Graduate>; Wed/2 \*Maximum NUPACE capacity: 5 students
- A Comparative Approach to Media Discourse I: Concepts, Theories, and Methods <Graduate>; Tue/2 \*Maximum NUPACE capacity: 4 students
- Cultural and Intellectual History of Japan I <Graduate>; Mon/2; \*Maximum class capacity: 10 students
- Text and Image in Japanese Narrative I <Graduate>; Fri/5; Maximum class capacity: 10 students
- Analysing Cultures I: The Culture of Play and Postmodernity; Wed/4
- Literary Modernism and the Avant-Garde: Innovative Writing and Translation; Thu/5
- World Animation: Its History and its Future; Wed/2
- Field Informatics: Design Thinking for Problem Setting and Solving; Mon/6

School of Law:

Comparative Studies in Administrative Law: Modern Administrative Law	2 credits	p 36
Comparative Studies in Jurisprudence II: Uses of the Public Sphere – Good Practice vs. Corruption	2 credits	p 36
Comparative Studies in Politics II: Japanese Diplomacy & International Politics	2 credits	p 38
Prof. Studies in Int'l Human Rights Law II: Human Rights & Refugee Law	2 credits	p 38
Special Lecture and Seminar: Workshop on International Negotiation	2 credits	p 38

Special Lecture and Seminar: <i>Yomiuri Shimbun</i> Special Lecture – Comparative Asian Corporate Theory	2 credits	p 39
Studies in Jurisprudence: Law as Political Theory II	1 credit	p 42

*School of Letters:*

Pre-war Japanese Cinema	2 credits	p 42
Japanese Culture: Language and Communication II	2 credits	p 42
日本語文化入門 II (Introduction to Japanese Language & Culture II) <J*>	2 credits	p 43

\*<J\*> Course which requires at least level 2/N2 of the Japanese Language Proficiency Test (JLPT), or equivalent.

*Graduate School of Mathematics:*

Perspectives in Mathematical Sciences II (Graduate)/IV (Undergraduate)	2 credits	p 43
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*School of Science:*

Advanced Quantum Chemistry	2 credits	p 45
Computational Chemistry	2 credits	p 45

### 3. Class Time-table

Unless indicated otherwise, the following courses commence on Monday, October 1, 2012. Students should refer to the course descriptions in this pamphlet for details on course content and eligibility, and the enclosed floor maps for the locations of classrooms.

	Mon	Tue	Wed	Thu	Fri
(I) 08:45-10:15		Educational Devlpt Planning & Evaluation (GSID, Sem Rm 6 (515))	Biological Resource Management Projects (Env. Studies, Lect. Rm. 3)	Water and Waste Engineering (Env. Studies, Lect. Rm 1) Planning & Design Studio for Historical Env. <1 <sup>st</sup> qtr> (ES, 435) Studio Workshop of Architectural Design <2 <sup>nd</sup> qtr> (ES, 435) Computational Chemistry (Sc., Bldg. A, Rm 250) Workshop on Int'l Negotiation (IRB Humanities & Soc. Sc., Rms 404-405)	
	Advanced Lecture on System Safety of Machinery (Eng. Bldg. 2, Rm 221)	Comparative Approach to Media Discourse (Inter-dept. Ed. Bldg/Info. & Sc. <N>, Rm 203)	Special Lect. & Sem.: Workshop on International Negotiation (IRB Humanities & Soc. Sc., Rms 409-410)	Workshop on Int'l Negotiation (IRB Humanities & Soc. Sc., Rms 404-405)	Comp. Studies in Politics II: Japanese Diplomacy & Int'l Politics (Law <pre-fab>, Sem. Rm 21)
	Introductory Accounting 1 (Economics, Lecture Rm 3)		Advanced Quantum Chemistry (Sc. Bldg. B, Lecture Rm 3 <B-116>)	Env. Industry Systems (Env. Studies, Lect. Rm 1)	Sustainability & Environmental Studies (Env. Studies, Lect. Rm 3)
	Cultural and Intellectual History of Japan I (Inter-dept. Ed. Bldg./Info & Sc. <N>, Rm 107)		Second Language Development (Inter-dept. Ed. Bldg./Info & Sc. <N>, Rm 105) World Animation (IRB Humanities & Soc. Sc., Rm 522)	Planning & Design Studio for Historical Env. <1 <sup>st</sup> qtr> (ES, 435) Studio Workshop of Architectural Design <2 <sup>nd</sup> qtr> (ES, 435)	International Accounting B (Economics, Lecture Rm 3)
(III) 13:00-14:30	国際関係論Ⅰ<J> (ECIS, Rm. 207E) From Oct. 17	Practice in Biological Resource Management (Env. Studies, Sem. Rm 2)	Japan's Development Experience (GSID, 8F, Auditorium)	Int'l Human Rights Law II: Human Rights & Refugee Law (Law <pre-fab>, Sem. Rm 22)	Outline of Japanese Culture since the 16 <sup>th</sup> Century (Inter-dept. Ed. Bldg./Info & Sc. <N>, Rm 105)
	Climate Change Policies (Env. Studies, Lect. Rm 1)	Japanese Culture: Lang. & Communication II (IRB Humanities & Soc. Sc., Rm 307)	Science & Technology in Japan (Eng. Bldg. 1, Rm 131)	Sociology of Education: Equity, Citizenship, & Inclusion (Inter-dept. Ed. Bldg./Info & Sc., Rm C14)	Comparative Studies in Jurisprudence II: Uses of the Public Sphere (IRB Humanities & Soc. Sc., Rm 407)
	Economic Theory and Applications II (Economics, Sem. Rm 14)	Overview of Adv. Electrical, Electronic & Information Eng. (Eng. Bldg. 1, Rm 132)	Civil Engineering & Policies for Developing Countries II (Eng Bldg. 9, Rm 911)	Studies in Int'l Culture: Map Appreciation 1 (IRB Humanities & Soc. Sc., Rm 623) Intro to Sociolinguistics b (IRB Humanities & Soc. Sc., Rm 522) 日本文化論Ⅰ<J> (ECIS, Rm 207W) From Oct. 11	言語学Ⅰ<J> (ECIS, Rm 207E) From Oct. 12  Intro to Civil Eng. & Architecture (Env. Studies, Sem. Rm 1)
(IV) 14:45-16:15	Politics and Diplomacy in the Int'l Environment (Informatics & Sc., Rm C445)	Overview of Adv. Electrical, Electronic & Information Eng. (Eng. Bldg. 1, Rm 132)	Civil Engineering & Policies for Developing Countries II (Eng Bldg. 9, Rm 911)	Lect. on Int'l Development 1: Int'l Migration Theory (GSID,6F Lecture Rm 1)	Intro to Civil Eng. & Architecture (Env. Studies, Sem. Rm 1)
	Motor Control and Info Processing in the Biological System (ES, 031)	Perspectives in Mathematical Sc. II/IV (Grad. School of Mathematics Bldg., Rm 109)	Analysing Cultures I (IRB Humanities & Soc. Sc., Rm 522) 漢字 1000 (ECIS, Rm 201) From Oct. 10		
	日本語学・日本語教育学Ⅰ<J> (ECIS, Rm 207E) From Oct. 15		Special Lect. & Sem: Yomiuri Shimbun Special Lect. - Comp. Asian Corporate Theory (Law, Sem. Rm 911) From Oct. 10		
(V) 16:30-18:00	Biological Resource Management Policies (Env. Studies, Lect. Rm 1)	Human Security and Law (GSID, Sem. Rm 8 (512))	Special Lect. & Sem: Yomiuri Shimbun Special Lect. - Comp. Asian Corporate Theory (Law, Sem. Rm 911) From Oct. 10	Literary Modernism & the Avant-Garde (IRB Humanities & Soc. Sc., Rm 623)	Academic, Scientific, & Technical English (Eng. Bldg 5, Rm 521) From Oct. 12
	Studies in Jurisprudence: Law as Political Theory (GSID, Sem. Rm 5 (511))	漢字 2000 (ECIS, Rm 201) From Oct. 9	Teaching Practice in the Japanese Community (Poppins-After-School) Intro to Bioagricultural Sciences (Agric. Sc., Lect. Rm. 6)	Comp. Studies in Administrative Law: Modern Admin. Law (GSID, Sem. Rm 1 (507))	A Multicultural Approach to Contemporary Issues (ECIS, Rm 207W) Text & Image in Japanese Narrative I (Inter-dept. Ed. Bldg./Info & Sc. <N>, Rm 107)
		日本語文化入門Ⅱ<J> (Letters, Lect. Rm 237)	Law and Economics Workshop (Economics, Sem. Rm 18)		
(VI) 18:00-19:30	Field Informatics (Inter-dept. Ed. Bldg./Info & Sc. <N>, Rm 211)		Prewar Japanese Cinema <17:30-19:00> (Letters, Lecture Rm 127)	ビジネス日本語Ⅰ (ECIS, Rm 207E) From Oct. 11 ビジネス日本語Ⅲ (ECIS, Rm 207W) From Oct. 11	

#### 4. Other Courses/その他の授業

Students participating in NUPACE may be eligible to register for other courses offered to degree-seeking students at Nagoya University. Prior to registration, however, students are requested to consult their academic advisors (pp. 47~48) and confirm with the instructor(s) of the course(s) in question that they meet the academic and language requirements of the class. Where students obtain such approval and decide to register for the course, they should pick up a 'NUPACE Student Course Admission Request Form' at the NUPACE Office, and submit it to the relevant instructor.

##### Pre-requisites and Restrictions Regarding Registration for Other Courses:

1. Unless specified otherwise, students must have obtained level 1/N1 of the Japanese Language Proficiency Test. (Foreign language courses are exempted from this requirement.)
2. Students may not register for any sport/physical exercise courses.
3. Students may not take more than one foreign language course per semester. (Japanese is not included in this requirement.)

##### **Guided Independent Study**

In their second semester of study at Nagoya University, NUPACE students can opt to take advantage of our 'Guided Independent Study (GIS)' system. After consulting and obtaining permission from their academic advisors, students may, with the co-operation of an academic supervisor, pursue independent research in their major field of study. This research work will be evaluated and credits awarded accordingly. The maximum number of credits awarded for GIS is set at eight, and a rough guide to the expected length of GIS reports and corresponding credits is as follows:

10 pages → 2 credits    30 pages → 6 credits  
20 pages → 4 credits    40 pages → 8 credits

When discussing GIS with your academic advisor, please ask him/her to refer to pp. 17~18 of the following manual for more details: 『指導教員・留学生担当者のための短期留学生受入れマニュアル』.

NUPACE に参加する学生は、名古屋大学の正規学生を対象に開講されている授業を履修することができます。しかし事前に指導教員(47-48 ページ)と相談し、同意を得る必要があります。また、その授業に必要な言語やバックグラウンド等の条件を満たしているかについて、その授業の担当教員に判断してもらい、受講の許可を得る必要があります。許可を得たうえで履修することを決定した場合、「履修登録・成績評価に関するお願い」を NUPACE オフィスで受け取り、授業担当教員へ提出してください。

NUPACE で提供される授業以外のコースを登録するための条件と制限

1. 特に明記されていない限り、日本語能力検定試験の1級/N1に合格していなければいけません。(外国語の授業については、この条件は免除されます。)
2. スポーツあるいは運動の授業を履修することはできません。
3. 日本語の授業を除き、一学期に履修できる外国語の授業は一つまでです。

##### **GIS(個人勉学指導)**

名古屋大学での勉学が二学期目に入ると、GIS(個人勉学指導)制度を活用することができます。指導教員に相談し許可を得た場合には、自らの専門領域に関する調査研究を指導教官の協力を得て実施することができます。研究成果は指導教員によって評価され、その評価に従って単位が与えられます。GISでは最大8単位まで取得することが認められています。GISの単位数は成果報告のおおよその分量によって、下記のように規定されています。

(日本語の場合)

6 ページ→2 単位    18 ページ→6 単位  
12 ページ→4 単位    24 ページ→8 単位

指導教員とGISについて相談をする際には、『指導教員・留学生担当者のための短期留学生受入れマニュアル』の17-18ページを参照するようお願いをしてください。

## 5. Grading System

### **Credit-seeking Students:**

With the exception of ‘Special Research Students’, NUPACE students are required to register for a minimum of 15 credit hours per semester, or a total of 30 credit hours per academic year. Those students who fail to obtain the required number of credits shall not be presented with a ‘Certificate of Completion’ once they have concluded their term of exchange.

All NUPACE students will receive two academic transcripts, one of which will be sent directly to their home institutions. The transcript will contain the names of courses studied, class contact hours, number of credits awarded, letter grades and scores out of one hundred. Grades for achievement will be given using a modified form of the ECTS (European Credit Transfer and Accumulation System). Hereby, NUPACE students will earn two sets of grades in courses taken for credit: Grades based on Nagoya University’s system, and their equivalent on the ECTS scale.

NUPACE Grading System		ECTS Equivalent Scale	
A* (Excellent)	90~100	A (Excellent)	
A (Very Good)	80~89	B (Very Good)	
B (Good)	70~79	C (Good)	
C (Satisfactory)	60~69	D (Satisfactory)	
F (Fail)	0~59	F (Fail)	
Au (Audit)	N/A	N/A	

Students who take subjects for credit are required to have a course attendance rate of 80% or higher. In the absence of extenuating circumstances, students failing to meet this attendance requirement will earn a ‘fail’.

Students, who during the semester find that they wish to ‘drop’ a class, should notify the NUPACE Office by **Friday, 26 October 2012**. Requests for amendments to course registration details after this date will not be accepted.

### **Students engaging in Research or Guided Independent Study:**

‘Special Research Students’ and students who engage in ‘Guided Independent Study (GIS)’ are required to provide the NUPACE Office with the results of their research work at the end of each semester. Research work presented to the NUPACE Office must have the stamp of the student’s academic advisor on the title page.

### **単位取得希望学生:**

「特別研究学生」を除いて、すべての NUPACE 生は一学期に最低 15 単位以上、あるいは二学期期間(1 年間)で 30 単位以上を取得しなければいけません。この履修単位の条件を満たせなかった場合、交換留学期間の終了時に「修了証 (Certificate of Completion)」が授与されません。

すべての NUPACE 生には成績証明書が二通発行され、そのうち一通は所属大学へ直接郵送されます。成績証明書には履修した授業の科目名、履修時間数、単位数、成績(ABC)、スコア(%)が表示されます。達成度を示す成績は ECTS(ヨーロッパ単位互換制度)を適用したものを使用しています。したがって NUPACE 生は名古屋大学の評価方式によるものと、それを ECTS の尺度に合わせた評価の二種類の表記で成績を得ることになります。

授業科目を履修登録した場合は、80%以上の出席率が求められます。欠席理由に情状酌量の余地がないケースは、出席率の条件を満たさなかったとみなされ、その授業の成績は「F」となります。

授業の履修を止める際には、**2012年10月26日(金)**までに必ず NUPACE オフィスに報告しなければいけません。

### **研究あるいは GIS(個人勉学指導)を行う学生:**

「特別研究学生」と GIS(個人勉学指導)を行う学生は、各学期末に研究成果の報告書を NUPACE オフィスへ提出しなければいけません。また報告書の表紙には指導教員の印が捺印されていなければなりません。



**Report submission deadline for autumn 2012 semester: Friday, February 8, 2013.**

When discussing research or GIS with your academic advisor, please ask him/her to refer to p. 19 (research) or pp. 17~18 (GIS) of the following manual for more details: 『指導教員・しどうきょういん留学生担当者りゅうがくせい たんとうしやのための短期留学生受入れたんき りゅうがくせい うけいれマニュアル』。

**報告書の提出締切り(2012年度後期):2013年2月8日(金)**

調査研究や GIS に関して指導教員と相談する際は、『指導教員・留学生担当者のための短期留学生受け入れマニュアル』の 19 ページ(調査研究)あるいは 17-18 ページ(GIS)を参照するようにお願いをしてください。

## Courses in Japanese & Other Languages

### University-wide Japanese Language Programme

Co-ordinator: KINUGAWA Takao

Place: Education Centre for International Students. (Refer to class schedule for rooms.)

Nagoya University offers two comprehensive Japanese language programmes to all international students, researchers and faculty members affiliated to this University: 1) *Standard Course in Japanese* and, 2) *Intensive Course in Japanese*. In the *Standard Course*, classes are divided into seven levels ranging from Elementary Japanese I to Advanced Japanese, and students attend one class a day for up to five days a week. The *Intensive Course* has six levels from Elementary Japanese I to Intermediate Japanese II with students attending two classes a day for up to five days a week. The programme offers flexibility and choice, and places priority on meeting the various academic needs of students. Please note that students with previous Japanese language experience will be required to sit a placement test and undergo an interview to determine their Japanese language level.

In addition to the above, NUPACE students are also welcome to participate in Nagoya University's *Kanji*, Business Japanese, and Online Japanese classes to further hone their Japanese language skills

#### 1. Description of Levels

##### 1. Elementary Japanese I

This course is designed for students who have little or no knowledge of Japanese. It aims to develop the students' working knowledge of Japanese to the level where they can function effectively in everyday life. Emphasis is placed on improving oral skills, although students will also be required to master the fundamentals of elementary grammar and a limited number of *kanji* (Chinese characters). The written content of the course (150 *kanji*, vocabulary of 800 words) is approximately equivalent to level four of the Japanese Language Proficiency Test.

**Textbook:**

*A Course in Modern Japanese (Revised Edition) Vol. 1*, compiled and edited by the Japanese Language Education Research Group, Nagoya University (2002)

##### 2. Elementary Japanese II

This course is designed for those students who have had approximately 150 hours of Japanese instruction at university level or who have completed *Elementary Japanese I* at Nagoya University. The main objective is to enable students to master the fundamentals of pre-intermediate grammar patterns and to acquire a working knowledge of Japanese to help them function smoothly in Japanese society. Upon completion of the course students should have mastered a total of 300 *kanji* and possess a vocabulary of 1,800 words (approximately equivalent to level three of the Japanese Language Proficiency Test).

**Textbook:**

*A Course in Modern Japanese (Revised Edition) Vol. 2*, compiled and edited by the Japanese Language Education Research Group, Nagoya University (2002)

##### 3. Pre-intermediate Japanese

This course is designed for those students who have had approximately 300 hours of Japanese instruction at university level or who have completed *Elementary Japanese II* at Nagoya University. The main objective is to enable students to consolidate their knowledge of basic Japanese grammar, vocabulary and *kanji*, so that they are better prepared to proceed to intermediate Japanese. Emphasis is placed on applying knowledge of Japanese in the four skill areas. Students should have mastered a total of 400 *kanji* and 2,600 words by the end of the course.

**Textbook:**

Materials compiled and edited by ECIS, Nagoya University

## Courses in Japanese & Other Languages

### **4. Intermediate Japanese I**

This course is designed for those students who have had approximately 400 hours of Japanese instruction at university level or who have completed *Pre-intermediate Japanese* at Nagoya University. The course aims to enable students to master grammatical patterns and expressions found at the beginning to mid-intermediate level and to develop proficiency in the four skill areas. Upon completion of the course, students should have mastered a total of 550 *kanji* and possess a vocabulary of 3,800 words.

**Textbook:**

「名古屋大学 日本語コース中級I」compiled and edited by the Japanese Language Education Research Group, Nagoya University (2012)

### **5. Intermediate Japanese II**

Designed for students who have received approximately 500 hours of Japanese instruction at university level, or who have completed *Intermediate Japanese I* at Nagoya University. Although emphasis is placed on developing a high command of oral skills for the purpose of communication in academic and non-academic situations in Japan, students are also required to improve their competency in listening, reading and writing. Upon completion of the course, students should have mastered a total of 700 *kanji* and have acquired a vocabulary of approximately 5,000 words.

**Textbook:**

「名古屋大学 日本語コース中級II」compiled and edited by the Japanese Language Education Research Group, Nagoya University (2012)

### **6. Pre-advanced Japanese**

This course is designed for those students who have had approximately 600 hours of Japanese instruction at university level or who have completed *Intermediate Japanese II* at Nagoya University. The course aims to enable students to increase their vocabulary to approximately 6,000 words and 900 *kanji*, and to improve the four language skills to the equivalent of level two of the Japanese Language Proficiency Test.

**Textbook:**

Materials compiled and edited by ECIS, Nagoya University.

### **7. Advanced Japanese**

Designed for students who have received approximately 750 hours of Japanese instruction at university level or who have completed *Pre-advanced Japanese* at Nagoya University. Students are required to increase their vocabulary to 7,500 words and 1,100 *kanji*. Upon completion of the course, students should be able to join general education classes for Japanese students with minimum assistance from a Japanese tutor.

**Textbook:**

Materials compiled and edited by ECIS, Nagoya University.

## **2. Course Structure**

### **I. Standard Course in Japanese**

#### **1. Elementary Japanese (5 credits; 10 hours per week x 14 weeks)**

Two comprehensive classes, Elementary Japanese I and Elementary Japanese II, encompassing all four skill areas, are offered at this level.

#### **2. Pre-intermediate to Advanced Japanese (1 credit per class <2 hours>, maximum five classes <10 hours> per week x 14 weeks)**

At these higher levels, students are encouraged to devise their own Japanese language curriculum according to individual needs. Twenty-five classes covering five levels are offered, which are divided amongst the skill areas of conversation (C), reading (R), listening (L), grammar and discourse (G), and

## Courses in Japanese & Other Languages

writing (W). Students may opt to take between one and five of these classes at a level determined by the result of their placement test.

### Standard Japanese Course Structure

Japanese Level	Class Name					Textbook
Elementary I	SJ101					<i>A Course in Modern Japanese Vol. 1</i>
Elementary II	SJ102					<i>A Course in Modern Japanese Vol. 2</i>
Pre-intermediate	SJ200 (C1 & C2)	SJ200(R)	SJ200(L)	SJ200(G)	To Be Announced	
Intermediate I	SJ201 (C1 & C2)	SJ201(R)	SJ201(L)	SJ201(G)	『現代日本語コース中級I』	
Intermediate II	SJ202 (C1 & C2)	SJ202(R)	SJ202(L)	SJ202(G)	『現代日本語コース中級II』	
Pre-Advanced	SJ300(C1 )	SJ300(C2)	SJ300(R)	SJ300(L)	SJ300(G)	To Be Announced
Advanced	SJ301(C)	SJ301(W1)	SJ301(W2)	SJ301(R)	SJ301(L)	To Be Announced

- NB.** 1. Students wishing to attend conversation classes at the pre-intermediate or intermediate levels (SJ200/SJ201/SJ202) must register for both C1 & C2  
2. Students may not take the same skill class at two different levels.

## II. Intensive Course in Japanese

### 1. Elementary to Pre-intermediate Japanese (10 credits; 20 hours per week x 14 weeks)

Two comprehensive classes, Elementary Japanese I (covering elementary levels I and II) and Elementary Japanese II (covering the elementary II and pre-intermediate levels), are offered. They encompass all four skill areas.

### 2. Pre-intermediate to Intermediate Japanese II (2 credits per class <4 hours>, maximum five classes <20 hours> per week x 14 weeks)

At these higher levels, students are encouraged to devise their own Japanese language curriculum according to individual needs. Ten classes covering three levels are offered, which are divided amongst the skill areas of conversation (C), reading (R), listening (L), and grammar and discourse (G). Students may opt to take between one and five of these classes at a level determined by the result of their placement test.

#### Intensive Japanese Course Structure (Elementary I to Pre-intermediate)

Japanese Level	Class Name		Textbook
Elementary I	IJ111		<i>A Course in Modern Japanese Vol. 1</i>
Elementary II		IJ112	<i>A Course in Modern Japanese Vol. 2</i>
Pre-intermediate			To Be Announced

#### Intensive Japanese Course Structure (Pre-intermediate to Intermediate II)

Japanese Level	Class Name/Skill								Textbook
	Conversation 1	Conversation 2	Reading		Listening		Grammar/Discourse		
Pre-intermediate		IJ211 (C1 & C2)		IJ211 (R)		IJ211 (L)		IJ211 (G)	To Be Announced
Intermediate I	IJ212 (C1)		IJ212 (C2)		IJ212 (R)		IJ212 (L)		『現代日本語コース中級I』
Intermediate II									『現代日本語コース中級II』

- NB.** Students wishing to attend conversation classes at the pre-intermediate~intermediate I level (IJ211) must register for both C1 and C2.

## 3. ビジネス日本語 I, II, III

## Courses in Japanese & Other Languages

These courses are aimed at students seeking employment at Japanese companies. They also cater to students who want to deepen their understanding of Japanese business communication. Participants will acquaint themselves with Japanese business manners and learn expressions used in the Japanese business world.

将来、日本の企業に就職を希望する人はもちろん、日本人のビジネスコミュニケーションに対する理解を深めたい留学生を対象とし、日本のビジネス・マナー及びビジネスで用いられる日本語表現を身につける。

### Textbook:

『ビジネスのための日本語・初中級』スリーエーネットワーク

## 4. 漢字< Kanji > 1000

This class is aimed at students who have mastered approximately 300 *kanji*, and concentrates on the 1000 *kanji* covered at levels N3~N2 of the Japanese Language Proficiency Test.

漢字300字程度を学習した学生を対象に、日本語能力試験N3-N2程度の漢字1000字を目標に学習する。

### Textbook:

『漢字マスター Vol. 3 2級漢字 1000』

## 5. 漢字< Kanji > 2000

漢字1000字程度を学習した学生を対象に、日本語能力試験N2の上からN1程度の漢字約2000字およびその語彙を学習する。

### Textbook:

『日本語学習のための よく使う順 漢字2100』

## 6. オンライン日本語< Online Japanese >(中上級読解・作文)

日本語の授業に出席することが時間の関係などで難しい留学生のために、Web上で教材を配布し、学習者からの解答に対しフィードバックを返すというものです。受講者は学内 LAN で、日本語入力可能なものに限り、登録者にはパスワードを発行するので、詳しくは留学生センターホームページをご参照ください。プレースメントテストは不要です。

登録する人は g44420a@cc.nagoya-u.ac.jp にメールしてください。パスワードを発行します。

## 入門講義 <J> (Introductory Courses taught in Japanese)

**NB.** The following courses are taught in Japanese and require at least level 2 of the Japanese Language Proficiency Test (JLPT) or equivalent.

### 1. 国際関係論 I (Global Society I)

Co-ordinator: AKIYAMA Yutaka

Class: Mondays, 13:00~14:30

Place: Education Centre for International Students (ECIS), Rm. 207E

遠く離れた場所で起きたできごとや自分がまったく知らないできごとが距離・時間の隔たりなく人々の生活、健康などに影響をあたえるようになった。さらに貿易、資本、情報の流れにおける国境だけでなく、考え方や規範、価値観といった面でも国境の存在が薄らいできた。このような空間の縮小、時間の短縮、国境の消滅ははたして一つの地球村の形成につながるものであろうか。その可能性はあなたが何者であるかによるのかもしれない。国家、経済、人々が盛んに行き交う時代、いわゆるグローバリゼーションは世界を一つにするのか、あるいはバラバラにしてしまうのか。

## Courses in Japanese & Other Languages

グローバル化がもたらす正負の側面を概観する。

### Topics to be covered (tentative):

- 1 世界の統合
  - 1-1 グローバル・キャピタル
  - 1-2 グローバル文化
- 2 世界の分断
  - 2-1 拡大する不平等
  - 2-2 雇用と収入の不安
- 3 不安定な世界
  - 3-1 金融市場
  - 3-2 グローバル犯罪
  - 3-3 沈黙の緊急課題:環境悪化
- 4 地球社会?
  - 4-1 グローバル・ガバナンス
  - 4-2 グローバルNGOネットワーク

### Reference Materials:

資料配布

### Evaluation:

出席率・積極性・レポート

## 2. 日本文化論 I (Introduction to Japanese Society & Culture I)

Co-ordinator: UKIBA Masachika  
Class: Thursdays, 13:00~14:30  
Place: Education Centre for International Students (ECIS), Rm. 207W

まず、はっきり言いますが、茶道、歌舞伎、武士道などいわゆる「日本文化」(つまり、日本にしか無いもの)はやりません。「日本文化」という言葉は「日本人の生活様式」という広い意味でとらえてください。「文化」という言葉を私はある集団が世代を越えて伝えていく癖(くせ)のようなものだと考えています。

この講義では、家族、学校という現代の日本社会を理解するうえで重要な二つのトピックを取り上げ、そこに見られる日本人の癖(くせ)を考えていきます。また、時間に余裕があれば、皆さんがあまり目にする事が出来ない田舎の生活についても、紹介していきたいと思います。

この講義を通して、皆さんが日本や日本人に対するイメージを少しでも広げることが出来ればと考えています。

### Topics to be covered:

1. オリエンテーション:「文化」という言葉をめぐって
2. 家族は会社、学校を両立するのか:映画『毎日の夏休み』に見る新しい家族像
3. 結婚しても入籍できない!?:夫婦別姓と国際結婚(戸籍制度と日本社会)
4. 学校に行かない子どもたち:いじめ、不登校、フリースクールなど
5. 働かなくちゃだめですか:フリーター、パラサイト・シングルなど
6. 田舎に行ってみよう:貴方の知らない日本の素顔

### Reference Materials:

ハンドアウト随時配布

### Evaluation:

出席と授業態度 40%  
レポート 60%

## 3. 日本語学・日本語教育学 I (Introduction to Japanese Linguistics I)

## Courses in Japanese & Other Languages

Co-ordinator: LEE Tack Ung  
Class: Mondays, 14:45~16:15  
Place: Education Centre for International Students (ECIS), Rm. 207E

前半の講義では、日本教育で主に問題となる文法項目を取り上げ、整理・検討することによって、基礎的な文法知識を身につけることを目指す。毎回、簡単な課題を取り上げ、みんなで考える時間を設ける。そのため、受講者の積極的な参加が要求される。

後半の講義では、日本語教育の基礎知識を身につけることを目標とする。日本語教育の現状を概観し、コース・デザイン、教材、誤用分析などを紹介する予定である。

この講義で学んだことがこれから日本語教育者(あるいは言語学者)を目指す人に少しでも役に立てることを願っている。

### Topics to be covered:

1. 日本語学(前半)
  - (1) 品詞
  - (2) 活用
  - (3) 格助詞
  - (4) ヴォイス
  - (5) 人称
2. 日本語教育学(後半)
  - (1) コース・デザインと教材の紹介
  - (2) 誤用分析

### Reference Materials:

ハンドアウト配布

### Evaluation:

1. 出席・授業態度 40%
2. テスト 60%

## 4. 言語学入門 I (Introduction to Linguistics I)

Co-ordinator: MOMIYAMA Yosuke  
Class: Fridays, 13:00~14:30  
Place: Education Centre for International Students (ECIS), Rm. 207E

Focusing on Japanese, this lecture attempts to provide a basic knowledge of linguistics, including methodology. It focuses on selected fundamental characteristics of human language, semantics (linguistic meaning), sociolinguistics, and linguistic typology.

### Topics to be covered:

1. 言語学の基本的な考え方: 日常見られる言葉に対する見方との違い
2. 人間の言葉の一般的特徴: 他の動物のコミュニケーションの手段と比較して
3. 言葉の意味: 認知意味論(cognitive linguistics)を中心に
4. 言葉と社会: 社会方言(social dialects)の諸相
5. 世界の言語と日本語: 言語類型論(linguistic typology)における日本語の位置づけ

### Textbook:

ハンドアウトを配布する

### Reference Materials:

町田健・初山洋介『よくわかる言語学入門』バベル・プレス  
町田健・初山洋介他『言語学大問題集 163』大修館書店  
初山洋介『認知意味論のしくみ』研究社  
(授業の際に、より詳しい参考文献を紹介する)

## Courses in Japanese & Other Languages

### **Evaluation:**

1. 出席
2. 授業への貢献度・積極性
3. レポートまたはテスト

## Graduate School of Languages & Cultures (GSLC)

The Graduate School of Languages and Cultures offers a variety of language courses (Ainu, Chinese, Dutch, English, French, German, Classical Greek, Italian, Korean, Latin, Russian, Spanish, Vietnamese), which are, for the most part, open to NUPACE students. Students who are interested in taking any of these courses can enquire about the class content and time-table at the Office of the Graduate School of Languages and Cultures, NUPACE Student Helpdesk (ECIS Lobby), or NUPACE Office.

### **Course Registration – English**

#### **1. Continuing Students**

**Registration Period:** Wed, Sep 19, Thu, Sep 20 at 09:00~17:00

**Class Placement:** Notice-board <university-wide courses>, 1F, Inter-departmental Education Bldg (School of Informatics & Sciences), 9:00 on Thu, Sep 27.

#### **2. Newly-Arrived Students Only**

- 1) On **Mon, Oct 1**, check the relevant announcement 「とくべつえいごせみなーあきくらすいちらん特別英語セミナー空きクラス一覽」 on the “university-wide courses” (ぜんがくむけじゅぎょう全学向け授業) notice-board of the Inter-departmental Education Bldg. (School of Informatics & Sciences) (1F) for any English course vacancies. Please note that a class of 20 students is considered full, and that you cannot apply for it.
- 2) Students interested in taking a course, should obtain a yellow course registration form at the Graduate School of Languages & Cultures (GSLC) counter (Office, 1F, IRB Humanities & Social Sciences).
- 3) After filling out the form, submit it to the same counter during the following period: Mon, Oct 1 ~ Thu, Oct 4 (09:00~12:00; 13:00~17:00), making sure also to take along your original TOEFL/TOEIC score-sheet. The minimum requirement: is TOEFL 527 (iBT 71)/TOEIC 663.
- 4) Class allocation is based upon the course registration form data submitted by students. Due to oversubscription of certain classes, not all students can be guaranteed a place.
- 5) Class placement announcement: Tue, Oct 9 at 09:00 on the “university-wide courses” notice-board, 1F, Inter-departmental Education Bldg (School of Informatics & Sciences).

### **Course Registration – Other Languages**

Pick up a blue course registration card at the Graduate School of Languages & Cultures (GSLC) counter (Office, 1F, IRB Humanities & Social Sciences). After filling the form in, and writing NUPACE in capital letters on it, submit one part of the divisible form to the relevant course instructor on the first day of class. If you are deemed eligible to participate in the course, insert another section of the registration form, labelled ‘For Office Use’, into the “course application box” at the GSLC counter between Tue, Oct 9 ~ Tue, Oct 16 (9:00~17:00).

**NB.** English language classes commence on Mon, Oct 1, 2012 (Tue, Oct 9 for newly-arrived students). Classes in languages other than English commence in the second week of the semester (i.e., in the week starting on Tue, Oct 9 <Oct 8 is a national holiday>).



## Education Center for International Students

### 1. A Multicultural Approach to Contemporary Issues

Co-ordinator: Michelle HENAULT-MORRONE  
Class: Fridays, 16:30~18:00  
Place: Education Center for International Students, Room 207W  
Capacity: 25 Students

This course begins with an overview of Japanese education with particular emphasis on social development influencing education from the post-war period to the present time. It is hoped that an examination of certain patterns that occur in Japanese society (early education, etc.) will shed light on an environment where the dynamics of “tradition” and “change” coexist, upsetting yet renewing, the current social milieu.

#### **Topics to be covered:**

Assigned readings relating to the discussion topics are to be read prior to class. Movies/documentaries provide supplemental materials in order to enrich the student's understanding of the subject of analysis.

1. Introduction
2. Culture and Society
3. *Amae*
4. The Japanese Self
5. Preschool – Preparation for Life
6. Preschool in Three Cultures
7. Elementary education – Initiation Due
8. Returnees, Dropouts and Bullies
9. Safety Concerns
10. Gender Issues
11. Presentation Preparation
12. Presentation Preparation
13. Presentation Preparation (outside class)
14. Presentations
15. Presentations and Final Individual Reports

#### **Reference Materials:**

Copies prepared by instructor. Check for reserved readings.

#### **Evaluation:**

Participation, in-class assignments, and attendance: 30%

Final Assignment: 35%

Final Group Presentation: 35%

### 2. Sociology of Education: Equity, Citizenship, and Inclusion

Co-ordinator: KITAYAMA Yuka (kitayama@ecis.nagoya-u.ac.jp)  
Class: Thursdays, 13:00~14:30  
Place: Inter-departmental Education Bldg. (School of Informatics & Sciences), Rm. C14

This course aims to introduce sociological approaches to issues in education, especially those related to equity, citizenship, and inclusion. The course pays particular attention to different backgrounds of social inclusion and exclusion in the context of education in Japan. Also, focusing on equity in education, students are expected to examine these issues by analysing qualitative and quantitative data. Assigned reading materials relating to topics are to be read prior to class.

## Courses in the Student's Major

### Topics to be covered:

1. Educational Issues on Identity, Ethnicity and Citizenship
2. Educational Stratification
3. Politics of International League Tables
4. Equity in Education: Analyzing data of PISA (Programme for International Student Assessment)
5. Impacts of Children's Socio-Economic Background on Their Academic Achievement
6. Educational Challenges of Burakumin
7. Meeting with High School Students (Oct 18)
8. Visit to Nagoya International Centre (Nov 29)

### Reference Materials:

- Bourdieu, P. (1986) The Forms of Capital, in Richardson, J. (Ed.), *Handbook of Theory and Research for the Sociology of Education*, Greenwood, 241-58.
- Murphy-Shigematsu, S. (2004) Expanding the Borders of the Nation: Ethnic diversity and citizenship education in Japan, in J. A. Banks (Ed), *Diversity and Citizenship Education Global Perspectives*, San Fransisco: Jossey-Bass, 303-332.
- Nabeshima, Y. (1995) Practice of Dowa Education Today, in Y. Hirasawa and Y. Nabeshima (Eds.), *Dowa Education: Educational Challenge Toward a discrimination-free Japan*, Osaka: Buraku Liberation and Human Rights Research Institute, 23-31.
- Neary, I. (1997) Burakumin in Contemporary Japan, in M. Weiner (Ed.), *Japan's Minorities: The illusion of homogeneity*, London: Routledge, 50-76.
- OECD (2010) *PISA 2009 Results: Executive summary*.  
<http://www.pisa.oecd.org/dataoecd/34/60/46619703.pdf>
- Parmenter, L. (2006) Asian (?) Citizenship and Identity in Japanese Education, *Citizenship Teaching and Learning*, 2 (2), 8-20.
- Takayama, K. (2008) The Politics of International League Tables: PISA in Japan's achievement crisis debate, *Comparative Education*, 44 (4), 387-407.
- Tsukada, M. (2010) Educational Stratification: Teacher perspectives on school culture and the college entrance examination, in J. A. Gordon, H. Fujita, T. Kariya and G. LeTendre (Eds.), *Challenges to Japanese Education; Economics, reform, and human rights*, NY: Teachers College Press, 67-86.
- Willis, D. B. (2006) Learning Culture, Learning Citizenship: Japanese education and the Challenge of Multiculturalism, in S. Lee, S. Murphy-Shigematsu and H. Befu (Eds.), *Japan's Diversity Dilemmas: Ethnicity, citizenship and education*, Lincoln: iUniverse, Inc, 47-74.

### Evaluation

- Participation and attendance: 30%
- Presentation and examination: 30%
- Essay: 40%

### 3. Teaching Practice in the Japanese Community

- Co-ordinator: Claudia ISHIKAWA (k46189a@cc.nagoya-u.ac.jp)
- Class: Teaching Practice Sessions: 16:30~18:00 once per week (Wednesdays) from November 7, 2012 to January 16, 2013 (8 times). Each class will consist of 60 minutes of teaching time, and 30 minutes of interaction with the children.
- Place: Teaching Practice Sessions: Nagoya University Poppins After-School
- Maximum Capacity 4 Students

**Prerequisites:** Native English-speaker or TOEFL score of 600 PBT/100 iBT, or equivalent.

**Students interested in registering for this programme should contact Claudia Ishikawa at k46189a@cc.nagoya-u.ac.jp or in ECIS Rm. 205 by Wednesday, October 3, 2012. Admission to the course is on a first-come-first-served basis.**

## Courses in the Student's Major

This course involves teaching English to, and developing a rapport/playing with approximately twenty elementary school-aged children (aged six to twelve) at Nagoya University's childcare centre, "Poppins-After-School". Students will be required to devise an English-language curriculum (which may include the teaching of basic theme-oriented vocabulary using visual aids; playing educational games and simple sports, etc.), and then, in accordance with the curriculum, teach the pupils rudimentary-level English. Those students, who at the end of the semester submit a report describing their teaching practice experience, will receive 2 credits.

A brief orientation will be held for participants at 16:30 on Wednesday, October 10, and a site-visit to Poppins-After-School will be arranged before the teaching sessions commence.

### **Evaluation:**

1. English-Language Lesson Plan: 20% (2 sides A4-sized paper + Poppins prescribed lesson plan form; submission deadline: Wednesday, Wednesday October 24, 2012.)
2. Final Report: 80% (4~6 sides of A4-sized paper; submission deadline: Wednesday, January 23, 2013.)

## School of Agricultural Sciences

### **Introduction to Bioagricultural Sciences**

Co-ordinator: MURASE Jun  
Class: Wednesdays, 16:30~18:00  
Place: School of Agricultural Sciences, Lecture Room 6

We are beset by an array of global concerns such as the depletion of food and energy resources, poverty and health problems, and the destruction of the natural- and living environment. This course, by taking as its base recent developments in the field of life sciences, aims to propose possible solutions to the above, through the analysis of biological production, symbiosis, and frontier technology in the field of bioscience. All lectures are given in English.

### **Topics to be covered:**

- |  |                        |
|--|------------------------|
| 1. Introduction  | (MURASE Jun)           |
| 2. Ecology of Irrigated Rice Fields I                      | (MURASE Jun)           |
| 3. Ecology of Irrigated Rice Fields II                     | (MURASE Jun)           |
| 4. International Co-operation for Agricultural Development | (ITO Kasumi)           |
| 5. Basic Reproductive Endocrinology I                      | (TSUKAMURA Hiroko)     |
| 6. Basic Reproductive Endocrinology II                     | (TSUKAMURA Hiroko)     |
| 7. Molecular Insect Sciences                               | (NIIMI Teruyuki)       |
| 8. Genetically Modified Crops I                            | (TANIGUCHI Mitsutaka)  |
| 9. Genetically Modified Crops II                           | (Joyce Abad CARTAGENA) |
| 10. Enzyme Engineering I                                   | (IWASAKI Yugo)         |
| 11. Enzyme Engineering II                                  | (IWASAKI Yugo)         |
| 12. Basic Crop Science                                     | (YAMAUCHI Akira)       |
| 13. Remarks  | (MURASE Jun)           |

### **Evaluation:**

Evaluation is based on attendance and written reports.

## School of Economics

### 1. Economic Theory and Applications II

Co-ordinator: ARAYAMA Yuko (Office Hours: Tue, Wed, 09:00~10:00)  
Class: Mondays, 13:00~14:30  
Place: School of Economics, Seminar Room 14

This lecture deals with the General Theory of Market Equilibrium with Household Production. This general equilibrium is intrinsically dynamic in its nature due to a household production formulated by Professor Becker.

#### **Topics to be covered:**

1. Production Function at Firm Level: Theory of Firm Behaviour Revised 1
2. Production Function at Firm Level: Theory of Firm Behaviour Revised 2
3. Aggregated Production Function for an Industry 1
4. Aggregated Production Function for an Industry 2
5. Defining a Household and Household Production Function 1
6. Defining a Household and Household Production Function 2
7. One-sector General Equilibrium Model without Using Time at Households for Given Time Preference and Technology 1
8. One-sector General Equilibrium Model without Using Time at Households for Given Time Preference and Technology 2
9. A General Equilibrium Model with Explicitly Defined Household Production 1
10. A General Equilibrium Model with Explicitly Defined Household Production 2
11. Market Equilibrium in a General Equilibrium Model 1
12. Market Equilibrium in a General Equilibrium Model 2
13. One-sector Growth Model Based on Microeconomic Foundation: Production Function with Capital Depreciation
14. One-sector Neo-classical Growth Model without Household Production
15. One-sector Growth Model with Household Production

#### **Textbook/Reference Materials:**

G.S. Becker, *Economic Theory*, Alfred A. Knopf, 1971  
R.J. Barro, *Macroeconomics: A Modern Approach*, Thomson, 2008

#### **Evaluation:**

Mid-term examination and term paper.

### 2. International Accounting B

Co-ordinator: NOGUCHI Akihiro (Office Hours: Fridays, 08:00~09:00, via appointment)  
Class: Fridays, 10:30~12:00  
Place: School of Economics, Lecture Room 3

**Prerequisites:** Ability to discuss international accounting in English. Participation by NUPACE students is contingent upon there being places available in the class.

The lecture is intended to provide an opportunity for students to learn and understand international aspects of accounting.

#### **Topics to be covered:**

1. Introduction to International Accounting
2. Causes and Examples of International Differences

## Courses in the Student's Major

3. International Classification of Financial Reporting
4. International Harmonisation
5. The Context of Financial Reporting by Listed Groups
6. Requirements of International Financial Reporting Standards
7. Different Versions of IFRS Practice
8. Key Financial Reporting Topics
9. Enforcement of Financial Reporting Standards
10. Political Lobbying on Accounting Standards
11. Harmonisation and Transition in Europe
12. Harmonisation and Transition in East Asia
13. Group Accounting
14. Foreign Currency Translation
15. Summary

### **Textbook:**

Christopher Nobes & Robert B. Parker, *Comparative International Accounting*, Financial Times Prentice Hall; 12th Revised, ISBN-13: 978-0273763796.

### **Evaluation:**

Attendance and oral presentation in English.

### **3. Introductory Accounting 1**

Co-ordinator: NOGUCHI Akihiro (Office Hours: Fridays, 08:00~09:00, via appointment)  
Class: Mondays, 10:30~12:00  
Place: School of Economics, Lecture Room 3

**Prerequisites:** Ability to discuss accounting and bookkeeping in English. Participation by NUPACE students is contingent upon there being places available in the class.

Accounting is called the “language of business”, as it is used for communication among interested parties in business. Students will learn the very basics of how to write (make entries) and read (financial statement analysis) this “language”.

### **Topics to be covered:**

1. Introduction
2. Accounting Information System
3. Accounting Cycle
4. Financial Statements
5. Accrual basis Accounting
6. Worksheet
7. Income Statement
8. Statement of Financial Position
9. Statement of Cash Flow
10. Financial Reporting
11. Accounting Standards
12. International Accounting Convergence
13. Conceptual Framework for Financial Accounting
14. Accounting in Japan
15. Summary

### **Textbook:**

Donald E. Kieso, Jerry J. Weygandt, Terry D. Warfield, *Intermediate Accounting, IFRS ed., Volume 1, 1<sup>st</sup> ed.*, Wiley. ISBN 978-0-470-61630-7

## Courses in the Student's Major

### **Evaluation:**

Attendance and oral presentation in English.

### **4. Law and Economics Workshop**

Co-ordinators: ARAYAMA Yuko (Office Hours: Tue, Wed, 8:30~9:00)  
MATSUURA Yoshiharu (Office Hours: by appt via matuura@nagoya-u.ac.jp)  
Class: Wednesdays, **17:00~18:30** (every two weeks; check the workshop calendar)  
Place: School of Economics, Seminar Room 18

**NB.** This is a one-year course, which students may commence in either April or September. Those students attending for one semester only cannot receive credits. They may, however, sit in on the classes. The course calendar should be checked regularly on the School of Economics website.

This workshop is jointly-organised by the Schools of Economics and Law to promote a theoretical and practical understanding of legal regulations imposed on economic activities. A minimum of 15 sessions will be held during the year according to the class calendar. The workshop will discuss the following topics in Law & Economics to help promote an understanding of human behaviour, social contracts and legal structure in our modern society. The workshop will also invite several prominent scholars and practitioners in the field of law and economics to present their ideas.

### **Topics to be covered:**

Introduction: Law and Economic Activities

Topic 1: Market Activities and Law

Economic Behaviour of Households and Firms  
Projection of Economic Activities to Law

Topic 2: Property Rights and Property Law

Institutional Arrangements of Law for Property  
An Economic Theory of Property Rights

Topic 3: Contract Law

Topics in the Economics of Contract Law  
An Economic Theory of Contract

Topic 4: Tort Liability and Tort Law

Automobile Accidents and Human Causalities  
Economics of Tort Liability  
Transaction Costs and Property Rights

Topic 5: Special Topics in Law and Economics

Transaction Costs and Economic Efficiency of Institutional Arrangements  
Abuse of Superior Bargaining Position: What is monopoly all about?  
F. Hayek and the Rule of Law

### **Textbook:**

Robert Cooter & Thomas Ulen, *Law and Economics 4<sup>th</sup> ed.*, Pearson (2003).

### **Reference Materials:**

Students are strongly recommended to check the Becker-Posner Blog (<http://www.becker-posner-blog.com/>).

### **Evaluation:**

One written term paper for credit. Active participation in classes will be reflected in the evaluation.

## Courses in the Student's Major

### School of Engineering

#### 1. Academic, Scientific, and Technical English

Co-ordinator: Laurence DRYDEN (dryden51@me.com)  
Class: Fridays, 16:30~18:00 (seven sessions in total; Oct 12, Oct 26, Nov 9, Nov 30, Dec 14, Jan 11, Jan 25)  
Place: Engineering Building 5, Room 521

This series of special lectures, conducted entirely in English, provides guided practice in written and spoken English in academic, scientific, and technical contexts. Lectures include illustrated presentations and activities for students to apply their learning. The series is open to native speakers and non-native speakers of English.

##### **Topics to be covered:**

1. Simplicity and clarity in English
2. English grammar: Common problems
3. Readability I: Sentences and paragraphs
4. Readability II: Parallelism and other matters of style
5. Readability III: Writing scientific papers
6. Public speaking at international conferences
7. Email, CVs, and job applications

##### **Reference Materials:**

Students receive all printed materials for each lecture from the instructor. They also receive extensive annotated bibliographies of resources for academic, scientific, and technical English.

##### **Evaluation:**

Attendance and participation: Students who attend five or more lectures and participate earnestly in activities receive 1 credit. More detailed information will be given at the first lecture.

#### 2. Advanced Lecture on System Safety of Machinery

Co-ordinator: YAMADA Yoji  
Class: Mondays, 10:30~12:00  
Place: School of Engineering, Building 2, Room 221  
Capacity: Maximum 5 NUPACE Students

**NB.** This course is only open to third year undergraduate students or above, who are majoring in Engineering.

Securing safety of mechanical systems can be achieved by risk assessment which is followed by risk reduction measures based upon the assessment results. The course aims at quantification of the overall risk management processes.

##### **Topics to be covered/Goals:**

1. Understanding and performing risk assessment processes
2. Understanding methodology of probabilistic risk assessment
3. Evaluating the reliability of safety-related systems from a viewpoint of functional safety

##### **Reference Materials:**

Reference materials will be distributed during class for better understanding.

##### **Evaluation:**

Submission of homework assignments and a final report are requested for evaluation.

## Courses in the Student's Major

### 3. Civil Engineering and Policies for Developing Countries II

Co-ordinator: NAKAI Kentaro (Tel. 789-5203)  
Class: Wednesdays, 13:00~16:15  
Place: School of Engineering, Building 9, Room 911

**NB.** This course is only open to students specialising in civil engineering. An orientation, at which a detailed course schedule will be distributed, is to be held on Wednesday, Oct 3, 2012.

The objective of this course is to study various issues, including sustainable development, environmental management, and international co-operation to acquire a fundamental knowledge of civil engineering in developing countries.

#### **Topics to be covered:**

1. The concept of sustainable development
2. Environment and resource issues in developing countries
3. International environmental management I (multilateral environmental agreements)
4. International environmental management II (international organizations)
5. International co-operation

#### **Reference Materials:**

To be distributed in class

#### **Evaluation:**

Students will be evaluated on attendance and written reports.

### 4. Introduction to Civil Engineering & Architecture

Co-ordinator: TANIKAWA Hiroki (789-3840)  
Class: Fridays, 13:00~16:15 (Lessons will be held two to three times a month)  
Place: Environmental Studies Hall, 1F, Room 1 (Guidance)

**NB.** An orientation for this course, at which a detailed course schedule will be distributed, will be held on October 5<sup>th</sup>, 2012.

The objectives of this course are (1) to establish scenarios for certain social infrastructure projects, and thereby introduce relevant civil engineering theories and construction technology, as well as conduct site-visits; (2) to survey, through technical site visits, various aspects of urban and architectural studies, including building material experiments, energy conservation, and the recent development of regional disaster mitigation activities.

#### **Topics to be covered:**

- Oct 5 Orientation (H. Tanikawa/J. Han)  
Oct 12 Lecture and Site-visit 1: Nagakute Culture Center(H. Shimizu)  
Oct 26 Lecture and Site-visit 2: Architecture and culture (H. Shimizu)  
Nov 16 Lecture 1: Social infrastructure and civil engineering  
(Y. Matsui <Central Nippon Expressway Co., Ltd>)  
Nov 30 Site-visit 3: Construction of new expressway (Central Nippon Expressway Co., Ltd)  
Dec 7 Site-visit 4: Highway Traffic Control Center and Highway  
(Central Nippon Expressway Co., Ltd)  
Dec 14 Lecture 2: Social infrastructure and civil engineering (2)  
(Y. Matsui <Central Nippon Expressway Co., Ltd>)  
Jan 11 Lecture and Site-visit 5: Nagoya University Disaster Mitigation & Management Office  
(J. Tobita)



## Courses in the Student's Major

### **Evaluation:**

Students will be evaluated on attendance and written reports.

### **5. Motor Control and Information Processing in the Biological System**

Co-ordinator: OBINATA Goro  
Class: Mondays, 14:45~16:15  
Place: ES, 031

**NB.** This course is only open to graduate students.

The goal of this lecture is to understand human movements as the interaction of a biological model with the physical world. Specific objectives include the following:

1. Structure of the nervous systems
2. Coding and processing of sensory information
3. Link between neural signals and muscle contraction
4. Strategies used by the nervous system to control muscle force
5. Neural basis of behaviour

#### **Topics to be covered:**

Oct 4 Structure of the nervous system  
Oct 18 Synaptic transmission  
Nov 1 Coding of sensory information 1  
Nov 8 Coding of sensory information 2  
Nov 15 Processing of sensory information  
Nov 22 Visual system  
Nov 29 Muscles and their control 1  
Dec 6 Muscles and their control 2  
Dec 13 Brain and motor output  
Dec 20 Integration systems: neural basis of behaviour 1  
Jan 17 Integration systems: neural basis of behaviour 1  
Jan 24 Summary

#### **Reference Materials:**

Fred Delcomyn, W. H., *Foundation of Neurobiology*, Freeman and Company, New York, 1998.  
To be distributed in class.

### **Evaluation:**

Active participation and report

### **6. Overview of Advanced Electrical, Electronic & Information Engineering**

Co-ordinator: KATO Jien  
Class: Tuesdays, 13:00~14:30 (**13:00~17:00 during plant visits**)  
Place: School of Engineering, Building 1, Room 132

This course comprises lectures and visits to technical plants in the Tokai area. In the lectures, current topics in advanced electrical, electronic and information engineering will be taught. The plant visits introduce students to advanced practices in vehicular, electronic power, and communication technologies.

#### **Topics to be covered:**

1. Development of Fusion Energy Bringing the Power of the Sun to Earth (N. Ohno)
2. Introduction to Space Plasma Dynamics (K. Shiokawa)
3. Introduction to Industrial Applications of Plasmas (H. Toyoda)
4. Challenges in Si-based Nanoelectronics (S. Miyazaki)

## Courses in the Student's Major

- |  |                |
|--|----------------|
| 5. Solid State Lighting  | (H. Amano)     |
| 6. Japanese Language Processing  | (S. Sato)      |
| 7. Advanced Research and Development of intelligent Systems and Ubiquitous Computing | (N. Kawaguchi) |
| 8. Visit to CHUBU ELECTRIC POWER CO., INC.   | (Y. Sugita)    |
| 9. Visit to TOYOTA MOTOR CORPORATION   | (T. Teratani)  |
| 10. Visit to TOYOTA GOSEI CO., LTD.  | (N. Shibata)   |
| 11. Visit to TOYOTA SMART-GRID EXPERIMENTAL FIELD                                    | (M. Kawamoto)  |

### **Evaluation:**

Written reports after each lecture and plant visit.

## **7. Science & Technology in Japan**

Co-ordinator: ZENG Gang (sogo@ertl.jp)  
Class: Wednesdays, 13:00~14:30  
Place: School of Engineering, Bldg. 1, Room 131

This course introduces the history, the current state and future prospects of R&D (research and development) in various sectors related to the field of engineering in Japan. This class consists of “omnibus-style” lectures, all provided in English.

### **Topics to be covered:**

1. Embedded Computing Systems (ZENG Gang)
  - 1.1 Fundamentals and Trends
  - 1.2 Low Energy Design
  - 1.3 Automative Applications
2. Introduction to Disaster Management and Social Media (Emanuel LELEITO)
  - 2.1 Introduction to Disaster Management
  - 2.2 Use of Social Media in Disaster Management
  - 2.3 A Mini Class Project on Social Media & Disaster Management
3. Introduction to Micro Fabrication Technology (Kiyohisa NISHIYAMA)
  - 3.1 Introduction to Micro Fabrication Technology
  - 3.2 Application of Micro Fabrication Technology
  - 3.3 Future of Micro Fabrication Technology

### **Textbook:**

Lecture materials will be distributed during at each lecture.

### **References:**

Michael Barr and Anthony Massa, *Programming Embedded Systems, Second Edition*, O'Reilly Media, 2006.  
Henkel, Jeorg and Sri Parameswaran, *Designing Embedded Processors: A Low Power Perspective*, Springer, 2007.  
*Disaster Management in Japan*, Cabinet Office, Government of Japan (available online)  
<http://www.bousai.go.jp/panf/saigaipanf.pdf>; <http://www.bousai.go.jp/1info/pdf/saigaipanf.pdf>  
Mohamed Gad-el-Hak (ed.), *Large-Scale Disasters: Prediction, Control, and Mitigation*, Cambridge University Press (2008/6/23), ISBN-10: 0521872936.  
Marc Madou, *Fundamentals of Microfabrication*, CRC Press, 1997.

### **Evaluation:**

Attendance	40%
One report per lecture:	30%
Final presentation:	30%

## Graduate School of Environmental Studies

### 1. Biological Resource Management Policies

Co-ordinators: IWASAKI Shimpei (shimpei.iwasaki@gmail.com)  
MORIWAKE Noriko (NORIKO\_MORIWAKE@env.go.jp)  
SUGIYAMA Noriko (n.sugiyama@nagoya-u.jp)  
Class: Mondays, 16:30~18:00  
Place: Graduate School of Environmental Studies, Lecture Room 1

This course aims to introduce the diverse range of management and policies related to biological resources and provide detailed insights on how to address changes in biological resources. Topics in each lecture will be presented according to a specific arena of biological resources. Topics covered include, 1) a general orientation of management issues vis-a-vis biological resources, 2) management policies related to resources on multiple scales and, 3) practical case studies of resource management and policies in both local and political contexts.

Addressing the interaction between biological resources and human activities is essential to ensure biodiversity. To a large extent, changes in the resource stocks are relevant to anthropogenic pressures. Although the interaction between the two is often complex and dynamic, underlying causes of resource degradation (or resource recovery) resulting from the confluence of various factors need to be identified. This course provides the students with opportunities for learning wider perspectives of biological resource management policies which will have a step forward to become a leader in related fields.

#### **Topics to be covered:**

1. Orientation - Plan of the course
2. Wetland conservation and management: The Ramsar Convention (Dr. Iwasaki)
3. Responsible fisheries and adaptive management (Dr. Iwasaki)
4. Governance of local commons (Dr. Iwasaki)
5. Wildlife conservation and management (Dr. Iwasaki)
6. Biodiversity and Climate Change (Dr. Sugiyama)
7. Biodiversity and ecosystem services (Ms. Moriwake)
8. Conservation and sustainable use of biodiversity: The Convention on Biological Diversity (Ms. Moriwake)
9. National policies for biodiversity, part 1 (Ms. Moriwake)
10. National policies for biodiversity, part2 (Ms. Moriwake)
11. Local Action for Biodiversity, part 1 (Dr. Sugiyama)
  1. Local Action for Biodiversity, part 2 (Dr. Sugiyama)
  2. Presentation and Discussion
  3. Presentation and Discussion

#### **Reference Materials:**

References will be specified at each lecture.

#### **Evaluation:**

Attendance: 20%  
Presentation: 40%  
Reports: 40%

### 2. Biological Resource Management Projects

Co-ordinator: NAGAISHI Masafumi (nagaishi@urban.env.nagoya-u.ac.jp)  
Class: Wednesdays, 08:45~10:15  
Place: Graduate School of Environmental Studies, Lecture Room 3

## Courses in the Student's Major

There is a range of difficulties in the implementation of projects related to biological resource management. This course provides a variety of viewpoints (ranging from the problem of food, population, water to the framework of aid, etc.) that need to be considered in the management of projects. Also, this course introduces the actual experiences of some players of development projects related to biological resource management.

The goals of this lecture are to understand not only the problems of biological resource management but also those surrounding the projects, and to understand the problems and lessons learnt from several case studies related to biological resource management. Students are required to prepare presentations of country reports and case studies.

### **Topics to be covered:**

1. Biological resource management
2. Approaches to biological resource management
3. Viewpoints on biological resource management projects
4. Country reports
5. The international framework
6. Case studies and discussion

### **Evaluation:**

Students will be evaluated on their attendance and presentation.

### **3. Climate Change Policies**

Co-ordinator: SUGIYAMA Noriko (n.sugiyama@nagoya-u.ac.jp)  
Class: Mondays, 13:00~14:30  
Place: Graduate School of Environmental Studies, Lecture Room 1

The objective of the course is to provide students with basic facts and knowledge on policy measures pertaining to climate change. Distinguished external lecturers will give lectures, in addition to lectures by the course coordinator. The basic facts that the students should know are contents of the United Nations Framework Convention on Climate Change and the Kyoto Protocol. Furthermore, other related matters such as climate change and cities, and energy policy will be explained.

This course has a unique style. The course looks forward to the 18th Conference of the Parties (COP18) to the United Nations Framework Convention on Climate Change (UNFCCC) and will simulate the conference negotiations. All students are required to participate in a model UNFCCC COP18, assuming hypothetical roles of delegation parties, and make presentations on the parties' policies. Some lectures will be scheduled irregularly. Hence, kindly be advised to attend the first lecture/orientation.

### **Topics to be covered:**

1. Introduction: Plan of the course
2. Science of Climate Change
3. History of Climate Policy
4. Climate Agreements (Kyoto, Bali, Copenhagen, Cancun)
5. Climate Policy of Japan
6. Presentation by students and discussion 1)
7. Presentation by students and discussion 2)
8. Presentation by students and discussion 3)
9. Policy measures to reduce GHG Emissions
10. Local Climate Policy
11. International Climate negotiation
12. Model UNFCCC COP18 negotiation 1)
13. Model UNFCCC COP18 negotiation 2)
14. Model UNFCCC COP18 negotiation 3)

## Courses in the Student's Major

### Reference Materials:

IPCC (2007). *Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II and III to the Fourth Assessment, Report of the Intergovernmental Panel on Climate Change* [Core Writing Team, Pachauri, R.K and A. Reisinger,(eds.)].

[http://www.ipcc.ch/publications\\_and\\_data/publications\\_ipcc\\_fourth\\_assessment\\_report\\_synthesis\\_report.htm](http://www.ipcc.ch/publications_and_data/publications_ipcc_fourth_assessment_report_synthesis_report.htm)

(Other references will be specified at each lecture.)

### Evaluation:

Presentation: 50%

Reports: 50%.

**NB.** Credits will not be awarded where the student's attendance is less than 80%.

## 4. Environmental Industry Systems

Co-ordinators: NAGAISHI, Masafumi (nagaishi@urban.env.nagoya-u.ac.jp)

NAKANO Ryoko (rnakano@urban.env.nagoya-u.ac.jp)

Class: Thursdays, 10:30~12:00

Place: Graduate School of Environmental Studies, Lecture Room 1

This course tries to realise a unique style of learning. The course consists of: 1) lectures by external representatives from industries and local government; 2) presentations and/or discussions amongst the students, and 3) discussions between the students and experts from the industries. Lectures are related to all fields of the environment, including climate change, water and waste management, and biodiversity. To complement this class, students are strongly recommended to take the course, 'Theory of Environmental Resources Management'.

### Topics to be covered:

Institutions that will offer lectures this year include the following:

Brother Industries Ltd

Central Nippon Expressway Company Ltd

Denso Corporation

Mitsubishi UFJ Research & Consulting Co., Ltd

Mitsui Sumitomo Financial Group

Nagoya Open University of the Environment

Saraya Co., Ltd

Seiko Epson Corp.

Shimizu Corporation

Toyota Tsusho Corporation

### Reference Materials:

References will be specified in each lecture.

### Evaluation:

Presentation: 50%

Report: 50%

**NB.** Credits will not be awarded where the student's attendance is less than 80%.

## 5. Planning and Design Studio for Historical Environment

Co-ordinator: NISHIZAWA Yasuhiko

Class: Thursdays, 9:00~12:00 (1<sup>st</sup> Quarter: 4 October 2012~15 November 2012)

Place: Engineering and Science Building (ES), 4F, Room 435, Graduate Student Studio

## Courses in the Student's Major

Class Capacity      Maximum of 2 NUPACE students

**NB.** This is an advanced studio workshop for graduate students with experience of architectural or urban design studios.

This design studio aims to teach design theory, methods of preservation of historical heritages, and urban planning in historical districts. In practice, this year students are requested to draw up proposals for the preservation and renewal of an old wooden building “Nakamura Koen (Park) Kinenkan” built in 1910 in Nakamura Park in western Nagoya. Students may propose to convert this building into a community centre, providing new facilities for neighbours, visitors, and Nagoya citizens.

### **Topics to be covered:**

Oct 4      Explanation of works and introductory lecture  
Nov 4 (p.m.) Research on the site and historical heritage of the work  
Oct 11      First esquisse checking concept and outline of planning  
Oct 18      Second esquisse checking concept and outline of planning  
Oct 25      Third esquisse checking plan, section and façade of buildings or townscape  
Nov 1      First review of works  
Nov 8      Fourth esquisse checking changing works, complying with first review  
Nov 15      Final review of works

### **Evaluation:**

Presentation of work in final review:      100%

## **6. Politics and Diplomacy in the International Environment**

Co-ordinator:      IGUCHI Haruo (iguchi@info.human.nagoya-u.ac.jp)  
Class:      Mondays, 14:45~16:15  
Place:      School of Informatics and Sciences, Room C445

**NB.** This course is open only to graduate students.

This course will explore historical and theoretical aspects of international politics in the Twentieth Century with emphasis on international relations since the end of the Second World War. During the first classroom session I plan to hand out or present a more detailed syllabus.

### **Textbook:**

The following book is scheduled to be used as a textbook:

Joseph S. Nye, Jr. and David A. Welch, *Understanding International Conflicts: An Introduction to Theory and History*. Eighth Edition. Longman, 2011.

Chapter 1: Is there an Enduring Logic of Conflict in World Politics?  
Chapter 2: Explaining Conflict and Cooperation: Tools and techniques of the trade  
Chapter 3: From Westphalia to World War I  
Chapter 4: The Failure of Collective Security and World War II  
Chapter 5: The Cold War  
Chapter 6: Post-Cold War Conflict and Co-operation  
Chapter 7: Globalisation and Interdependence  
Chapter 8: Information Revolution and Transnational Actors  
Chapter 9: What Can We Expect in the Future?

### **Evaluation:**

Grades will be based on active participation in class and a research paper at the end of the semester; details regarding these issues will be discussed during the first classroom session.

## Courses in the Student's Major

### 7. Practice in Biological Resource Management

Coordinator: NAGAISHI Masafumi (nagaishi@urban.env.nagoya-u.ac.jp)  
Class: Tuesdays, 13:00~14:30  
Place: Graduate School of Environmental Studies, Seminar Room 2

The objectives of this course are to understand how to design and identify project components of hypothetical but useful cases on biological resource management using the Project Cycle Management (PCM) method (with some group work and presentations), and to understand economic valuation methods including cost-benefit analysis.

#### **Evaluation:**

Students will be evaluated on attendance, group work and presentations.

### 8. Studio Workshop of Architectural Design

Co-ordinators: KATAGI Atsushi  
Class: Thursdays, 8:45~12:00 (2<sup>nd</sup> Quarter: 22 November 2012 ~ 24 January 2013)  
Place: Engineering and Science Building (ES), 4F, Room 435, Graduate Student Studio  
Class Capacity: Maximum of 2 NUPACE students

**NB.** This is an advanced studio workshop for graduate students enrolled in architectural courses. Students with no experience of architectural studio workshops will not be admitted.

Studio workshop of an architectural project under a given site and program, that aims to develop the student's skills in analysis, design and presentation. This year, we have a joint studio with Prof. Barrie Shelton of Melbourne University, to survey a superblock in the Fitzroy area, Melbourne, and propose its improvement.

#### **Evaluation:**

Presentation of work evaluated by jury: 100%

### 9. Sustainability and Environmental Studies

Co-ordinator: Victor Shiholo MUHANDIKI (victor@urban.env.nagoya-u.ac.jp)  
Class: Fridays, 10:30~12:00  
Place: Graduate School of Environmental Studies, Lecture Room 3

The objective of the course is to provide students with several definitions, views, interpretations, and analyses of the notion of sustainability. The lectures are to be given by several lecturers, who may include external guest researcher(s).

Sustainability covers broad areas. It is, hence, inevitable that the course consists of various topics. Having said so, the course tries to clarify the topics from three viewpoints:

1. Society and/or social sciences;
2. Observation and data by natural sciences; and
3. Urban and spatial perspective.

One common element that should be noted here is 'safety'.

#### **Topics to be covered (tentative):**

1. Sustainability criteria by cost-benefit analysis with levels of environmental ethics
2. Integrated lake basin management (ILBM)
3. Global change monitoring by remote sensing
4. Sustainable urban planning and design
5. Kosa and desertification
6. Natural disaster and the society: The 2004 tsunami and its impact on Aceh of Indonesia
7. Safe production and consumption of chemical products

## Courses in the Student's Major

8. Sustainable transport system
9. Toward environmental friendly and sustainable building
10. Environmentally responsible behaviour and subjective well-being
11. Lectures by a guest instructors

### **Reference Materials:**

References will be introduced at the beginning of the course, and distributed at each lecture.

### **Evaluation:**

Reports: 100%

## **10. Water and Waste Management Engineering**

Co-ordinator: Victor Shiholo MUHANDIKI (victor@urban.env.nagoya-u.ac.jp)

Class: Thursdays, 08:45~10:15

Place: Graduate School of Environmental Studies, Lecture Room 1

Water pollution and solid waste are some of the major environmental problems facing our society today. In this class we will learn about various technologies and measures applied in drinking water supply, control of pollution of water bodies, and solid waste management.

**Prerequisites:** Water and Waste Management Policies, Environmental Transport Phenomena, Advanced Theory of River Basin Management

### **Topics to be covered:**

- A) THE HYDROLOGIC CYCLE AND DRINKING WATER SUPPLY
  1. The Hydrologic Cycle and Pollution of Water Bodies
    - 1.1 Water cycle
    - 1.2 Pollution of water bodies
    - 1.3 Self purification of water bodies
  2. Drinking Water Supply
    - 2.1 Sources of water
    - 2.2 Water treatment and water supply systems
    - 2.3 Water demand forecasting
- B) POINT AND NON-POINT SOURCE POLLUTION AND POLLUTION LOAD ESTIMATION
  3. Point Source Pollution
    - 3.1 Domestic wastewater
    - 3.2 Industrial wastewater
    - 3.3 Livestock
  4. Non-point Source Pollution
    - 4.1 Agriculture
    - 4.2 Natural systems
    - 4.3 Urban non-point source pollution
    - 4.4 Atmospheric deposition
  5. Point and Non-point Source Pollution Load Estimation
- C) POINT AND NON-POINT SOURCE POLLUTION CONTROL
  6. Domestic Wastewater Treatment Systems
    - 6.1 Conventional treatment systems
    - 6.2 On-site disposal systems and ecological sanitation
  7. Industrial Wastewater Treatment Systems
  8. Basin Management for Non-Point Source Pollution Control
    - 8.1 Reforestation and afforestation
    - 8.2 Catchment protection



## Courses in the Student's Major

- 8.3 Wetland restoration and construction
- 9. Inside-Water Body Measures for Pollution Control
- 9.1 Control of nuisance species
- 9.2 Control of water quality
  
- D) SOLID WASTE MANAGEMENT
- 10. Solid Waste Generation, Collection and Disposal
- 11. Waste Minimization, Recycling and Resource Recovery

### Reference Materials:

Reference materials will be distributed during class.

- Davis, M.L. and D.A. Cornwell (1998). *Introduction to Environmental Engineering*. McGraw-Hill, Inc., New York, USA.
- Dixon J.A., L.F. Scura, R.A. Carpenter and P.B. Sherman (1994). *Economic Analysis of Environmental Impacts*. Earthscan, London, UK. (also available in Japanese)
- Helmer, R. and I. Hespanhol (1997). *Water Pollution Control: A Guideline for the Use of Water Quality Management Principles*. E&FN Spon, London, UK.
- Hester, R.E. and R.M. Harrison (2002). *Environmental and Health Impact of Solid Waste Management Activities*. The Royal Society of Chemistry, Cambridge, UK.
- International Lake Environment Committee Foundation, ILEC (2007). *Integrated Lake Basin Management: An Introduction*. International Lake Environment Committee Foundation, Kusatsu, Japan. (available online at <http://www.ilec.or.jp>) (also available in Japanese)
- International Lake Environment Committee Foundation, ILEC (2005). *Managing Lakes and their Basins for Sustainable Use: A Report for Lake Basin Managers and Stakeholders*. International Lake Environment Committee Foundation, Kusatsu, Japan. (available online at <http://www.ilec.or.jp>) (also available in Japanese)
- International Lake Environment Committee Foundation, ILEC (2003). *World Lake Vision: A Call to Action*. International Lake Environment Committee Foundation, Kusatsu, Japan. (available online at <http://www.ilec.or.jp>) (also available in Japanese)
- Metcalf & Eddy, Inc. (1991). *Wastewater Engineering: Treatment and Reuse*. McGraw-Hill, Inc., New York, USA.
- Ministry of the Environment, Japan (2003). *Annual Report on the Environment in Japan 2003: Local Communities Leading the Transition to a Sustainable Society*. Ministry of the Environment, Japan, Tokyo, Japan. (available online at: <http://www.env.go.jp>)
- Novotny, V. and P. Brown, eds. (2007). *Cities of the Future: Towards Integrated Sustainable Water and Landscape Management*. IWA Publishing, London, UK.
- Novotny, V. (2003). *Water Quality: Diffuse Pollution and Watershed Management*. John Wiley & Sons, Inc., New York, USA.
- Okada, M. and S.A. Peterson (1999). *Water Pollution Control Policy and Management: The Japanese Experience*. Gyosei, Tokyo, Japan. (also available in Japanese)
- Tchobanoglous G., H. Theisen and R. Eliassen (1977). *Solid Wastes: Engineering Principles and Management Issues*. McGraw-Hill, Inc., New York, USA.
- World Commission on Dams, WCD (2000). *Dams and Development: A New Framework for Decision-Making, The Report of the World Commission on Dams*. World Commission on Dams. (available online at <http://www.dams.org/>)
- World Water Council, WWC (2000). *World Water Vision Commission Report: Vision for Water, Life and the Environment*. (available online at <http://www.worldwatercouncil.org>)

### Evaluation:

- Report: 40%
- Examination: 60% (Students with an attendance rate exceeding 80% are eligible for the exam)

## Graduate School of International Development (GSID)

### 1. Educational Development Planning and Evaluation (教育開発計画・評価論)

Co-ordinator: YONEZAWA Akiyoshi  
Class: Tuesdays, 08:45~10:15  
Place: Grad. School of International Development (GSID), Seminar Room 6 (515)

This course aims to consider the role of higher education within the framework of educational development planning and evaluation. Higher education plays an essential role in the contemporary knowledge-based society, and has its own context distinguished from primary and secondary education. At the same time, education planning and evaluation is inevitably linked to issues of access to higher education, brain drain and brain gain typically occurring at the higher education level.

#### **Topics to be covered:**

1. Historical origins of modern higher education
2. Access and equity in higher education
3. Knowledge economy and higher education
4. Assessment of international cooperation in higher education.

Participants are expected to examine the role and value of international cooperation in higher education.

### 2. Human Security and Law (人間の安全保障と法)

Co-ordinator: YAMAGATA Hideo  
Class: Tuesdays, 16:30~18:00  
Place: Graduate School of International Development (GSID), Seminar Room 8 (512)

**NB.** This course is open to all NUPACE graduate students, and those undergraduate students affiliated to the School of Law.

The objective of this course is to understand security issues in the framework of the Charter of the United Nations. First, the collective security system is dealt with in comparison with the old balance of powers policy. Second, the changing system of the UN collective security after 1990 will be addressed. Last, lectures will be given on the newly-emerged concept of human security. The standpoint from which this course is offered is international law. This is a law course. If you have no knowledge of international law you are strongly advised to take the course "International Cooperation Law" in the spring semester.

#### **Topics to be covered:**

1. Introduction
2. Overview of the UN Collective Security System
3. Korean War and Voting Procedures in the SC
4. Uniting for Peace Resolution
5. Peace-keeping Operations
6. Non-Intervention Principle and the Binding Decision of the SC
7. The Concept of "Threat to Peace"
8. Authorisation to Use Force in the Gulf War
9. Humanitarian Intervention
10. Responsibility to Protect and Human Security
11. Writing Pleadings for Moot Court 1
12. Writing Pleadings for Moot Court 2
13. Moot Court Competition 1
14. Moot Court Competition 2
15. Moot Court Competition 3

## Courses in the Student's Major

### **Reference Materials:**

Materials to be used for this course will be distributed in class.

### **Evaluation:**

Grades will be assessed on the basis of active participation in discussions (60%) and a report based on the pleading or judgement (40%).

### **3. Japan's Development Experience (日本の開発経験)**

Co-ordinators: NISHIKAWA Yoshiaki & HIGASHIMURA Takeshi  
Class: Wednesdays, 13:00~14:30  
Place: Graduate School of International Development (GSID), 8F, Auditorium

**NB.** This course is open to all NUPACE students.

This course examines the development and modernisation process of Japan from various perspectives, including both positive and negative. Lecturers from different disciplines deal with issues such as the economy, law, governments, rural areas, social security systems, education, peace-building, etc. Participants will understand the crucial issues pertaining to Japan's development experience, and consider the adaptability of this experience to other countries.

### **Topics to be covered\*:**

1. Introduction
2. Governance and Law
- 3-4. Economics
- 5-6. Education
- 7-8. Social Development
- 9-10. Agricultural/Rural Development
- 11-12. Peace-building
13. Wrap-up Session

\*More details will be provided during the first session on October 3.

### **Reference Materials:**

Relevant materials will be introduced in each class.

### **Evaluation:**

Class participation and weekly comment papers.

### **4. Lecture on Intl Development 1: International Migration Theory (国際人口移動論)**

Co-ordinator: ASAKAWA Akihiro  
Class: Thursdays, 14:45~16:15  
Place: Graduate School of International Development (GSID), 6F, Lecture Room 1

In this class, various aspects of the current phenomenon on international migration will be considered. Topics covered include immigration control, social integration, remittances, impact for accepting and sending countries, refugee recognition, etc. To understand current immigration issues, Australian radio news on immigration related topics will be introduced in every class.

### **Topics to be covered:**

1. Introduction
2. Basic theory of international migration
3. Education and migration

## Courses in the Student's Major

4. South-South migration
5. Governance of migration policy
6. Unskilled migration
7. Student migration
8. Irregular migration
9. Demography and migration
10. Asylum (refugee) migration
11. "Migration" from Japan to North Korea
12. Demographic change and migration
13. Migration and the role of remittances
14. Women and international migration
15. Conclusion

### **Reference Materials:**

Relevant materials will be introduced during the course.

### **Evaluation:**

Participation: 30%  
Presentation and Discussion: 70%

## Graduate School of Languages and Cultures (GSLC)

### **1. Introduction to Sociolinguistics b: Introduction to Bilingualism**

Co-ordinator: MORITA Chua Liang  
Class: Thursdays, 13:00~14:30  
Place: IRB Humanities & Social Sciences, Room 522

We will be focusing on bilingualism this semester. Bilingualism or multilingualism is a frequently misunderstood phenomenon. Many parents are afraid of letting their young children learn English because they think it will interfere with their Japanese language development. Some worry that learning other languages means there will be less space in our brains for subjects such as science and mathematics. Thanks to research in bilingualism in recent decades, we now know that these worries are unfounded.

### **Topics to be covered:**

1. Early Development of Bilingualism or Multilingualism
2. Later Development of Bilingualism
3. Language Shift (Especially in Hokkaido and Okinawa)
4. Language Situation of Ethnic Minorities (Especially Koreans and Brazilians)
5. Language Minority Schools in Japanese Public Schools
6. Bilingual Education in Japan

### **Textbooks/References:**

Baker, C, S. (2006). *Foundations of Bilingual Education and Bilingualism*. Clevedon: Multilingual Matters.  
Noguchi, M.G. and Fotos, S (2001). *Studies in Japanese Bilingualism*. Clevedon: Multilingual Matters.

### **Evaluation:**

Attendance, participation, preparedness for lessons and presentations.

Students are expected to complete the assigned reading before each lesson. In class, students are expected to engage in discussions based on what they have read. The instructor is more than happy to answer questions on the reading but since this is a graduate course, she hopes her students will come to class prepared and having reflected on what they read.

## Courses in the Student's Major

### **2. Outline of Japanese Culture since the 16<sup>th</sup> Century: Japanese Culture since the First Encounter with Western Civilization until the Present**

Co-ordinator: MITO Hiroyuki  
Class: Fridays, 13:00~14:45  
Place: Inter-departmental Education Bldg (School of Informatics & Sciences), <N>, Room 105

This course's primary aim is to survey Japanese cultural history by considering European or Occidental artefacts, practices and ideas as original cultural components that have had a formative influence on Japanese culture. Simultaneously, we will investigate how to describe and explain Japanese culture in English.

This course will be divided in two parts: Lectures and participants' presentations. In the first several (7 or 8) classes the lecturer will mainly introduce some materials relating to the history of Japanese culture as suggestions or starting points for the participants' own investigations. Following the introductory lectures, in the latter half of the course, each participant or group of participants will make a presentation about a particular theme related to Japanese culture. Note that participants may make their presentations during the lecture classes if their themes correspond to the contents of the lectures.

#### **Topics to be covered (tentative):**

1. Introduction: What does the word "culture" mean? What does it mean to research about Japanese Culture? What materials are available for this research?
2. The 16th century as the origin of modernity
3. Christianity in Japan before the Meiji Period
4. Tetsuro Watsuji (1889-1960) and his influence on later researchers
5. Revision of Japanese history: National isolation ("Sakoku") as a diplomatic policy
6. The Meiji Restoration
7. Introduction and adaptation of western things into Japanese society
8. Western fine arts in Japan: Realism and Japanese arts
9. The creation of cultural tradition: Continuity or disconnection?

#### **Textbooks/References:**

Reading materials will be provided by the instructor.

TV Programmes for Reference:

NHK TV: "Trad Japan", E-tele, Thursdays, 23:00-23:20 (rebroadcast Mondays, 6:00-6:20); "Journeys in Japan", BS1, Wednesdays, 14:00-14:30; "Begin Japanology" BS1, Fridays, 14:00-14:30.

If participants so wish, short video clips may be presented during the classes as a break.

#### **Evaluation:**

Class participation, presentation, a short paper about the presenter's own presentation, and a final research paper

### **3. Studies in International Culture: Map Appreciation 1**

Co-ordinator: Simon POTTER  
Class: Thursdays, 13:00~14:30  
Place: IRB Humanities & Social Sciences, Room 623

This course will be devoted to looking into contemporary cartography as a combination of the arts and sciences, with a special emphasis on projects relating to Japanese maps. It will touch on such things as the different types of maps, their scientific side, and their artistic side, as well as how maps are used and how to look at maps with a critical eye. Students will be expected to do at least one group-based,

## Courses in the Student's Major

fieldwork exercise with a map on display somewhere in the city of Nagoya and to do a similar individual project. Doing such projects is an interesting way to discover at least a couple of parts of the city and to learn a bit about Japanese culture, something which hopefully will be rewarding to students from overseas.

### **Reference Materials:**

To be distributed in class.

### **Evaluation:**

Approved cartographic project: 50%  
Final examination on readings and class meetings: 50%

## School of Law

### **1. Comparative Studies in Administrative Law: Modern Administrative Law**

Co-ordinator: INABA Kazumasa  
Class: Thursdays, 16:30~18:00  
Place: Graduate School of International Development (GSID), Seminar Room 1 (507)

In 1947 the Judicial Constitution Act and the Administrative Court Act were repealed. This marked a new beginning for the court system. It has been more than 50 years since then, in which time the system of judicial review of administrative action has developed. However, the contemporary raises many problems, which require urgent reform. I would like to reflect upon the merits and demerits of the court's role in administrative cases by means of reference to major Supreme Court's cases.

1. The Interpretation of Administrative Law;
2. Administrative Law and the Principle of Good Faith;
3. Legal Relations in Administrative Activity;
4. Administrative Legislation — Administrative Circulars;
5. Delegated Legislation;
6. Administrative Actions — Void Dispositions;
7. Administrative Discretion — Political Discretion;
8. Administrative Discretion — Special Expertise Discretion;
9. Retraction of Administrative Dispositions
10. Hearing Procedures:
  - Proceedings of Consultative Organs;
  - Constitution and Hearing;
  - Attachment of Reasons;
  - Administrative Guidance; and
  - Freedom of Information.

### **Comparative Studies in Jurisprudence II: Uses of the Public Sphere – Good Practice vs. Corruption**

Co-ordinator: MORIGIWA Yasutomo  
Class: Fridays, 13:00~14:30  
Place: IRB Humanities & Social Sciences, Room 407

This class will provide a better understanding of the liberal democratic state by observing phenomena and theories of corruption in the context of the practicalities of (mainly) developing nations. Students will wrestle with such fundamental questions on law and the state as the following.

1. <violence>
  - 1) How can we protect the rights of the weak against threats of violence?
2. <power>

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- 1) What is the function of political power?
- 2) What can keep political power from being abused?
3. <state>
  - 1) Is there a difference between the mafia and the state?
  - 2) If hostile military power is the greatest external threat to the state, what is the greatest domestic threat?
4. <justice>
  - 1) What is justice?
  - 2) What do you need to enforce your idea of justice?
5. <law>
  - 1) What is the difference between lawlessness and rule of law?
  - 2) What is law, and if it isn't law, what defines justice in a society?
6. <judiciary>
  - 1) Why is the judiciary important in a liberal democracy?
7. <public/private>
  - 1) Can there be corruption in a state which does not distinguish between the public and the private?
  - 2) Why distinguish between the public and the private?
8. <citizenship>
  - 1) How can we get rid of bullying in the classroom?
  - 2) How can we really respect the equal right to be free?

The course will be divided into four parts:

- A. Part 1: The course will begin with a lecture on the fundamentals of political, moral and legal philosophy.
- B. Part 2: The class will then discuss the concept of corruption and see how corruption erodes and destroys the basis of a just society.
- C. Part 3: The class will discuss and analyse the reality of corruption as portrayed in country reports in terms of economic, political, moral and legal theory.  
To help better understand the concept of corruption and theories thereof, the students will prepare three essays:
  - 1) Assignment 1: What is "rent-seeking"?
  - 2) Assignment 2: Country report
- D. Part 4: The class will engage in acting out a scenario depicting a situation where corruption is almost inevitable, and feel what it like to be in such circumstances. This should make the learning experience not only theoretical but also visceral.
- E. Final essay: Students should gain enough understanding of the workings of the modern state and the devastating effects of corruption so that such questions as below would seem elementary:
  - 1) What is "rent-seeking" and how is it related to corruption?
  - 2) Why is an anti-corruption agency often a bad idea?
  - 3) Why is the "public/private" distinction important for understanding the liberal democratic state?
  - 4) Is the optimal state of affairs "no corruption" or should it be defined differently?
  - 5) Why is corruption so dangerous to the basic structure of a constitutional democracy?
  - 6) What would be the typical steps that should be taken to address corruption?

Providing concise replies in an essay to the above quiz comprise the final exercise for the course.

### **Evaluation:**

Attendance and participation:	25%
Essay on rent-seeking:	10%
Country report:	20%
Client session:	10%
Final essay:	35%

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### **2. Comparative Studies in Politics II: Japanese Diplomacy & International Politics**

Co-ordinator: MIURA Satoshi  
Class: Fridays, 10:30~12:00  
Place: School of Law <pre-fabricated building>, Seminar Room 21

This course is designed to help students understand the basics of International Relations theories and to apply these to the cases listed below. Participating students will be assigned to read academic articles for class discussion. They are also expected to make presentations by applying the theories to a topic of interest.

1. International Politics in East Asia
2. Japanese Foreign Policy in the Age of Globalisation
3. Global Governance (Governing Global Issues)

#### **Reference Materials:**

To be distributed in class.

#### **Evaluation:**

Attendance and participation 50%  
Presentation: 50%

### **3. Professional Studies in International Human Rights Law II:**

#### **Seminar on Human Rights and Refugee Law**

Co-ordinator: OBATA Kaoru  
Class: Thursdays, 13:00~14:30  
Place: School of Law <pre-fabricated building>, Seminar Room 22

**NB.** This class is open only to students majoring in law. Students interested in taking the course must make an appointment with the co-ordinator in advance.

In this seminar, we will select some topics related to current problems International Human Rights Law or Refugee Law, and read relevant textbooks and articles. In each class, a student will act as 'reporter', and make a presentation on the assigned subject matter. This will be followed by discussion amongst class members. Participants should have a basic knowledge of International Law in general and Human Rights Law, as provided in the courses on 'International Law' and International Human Rights Law'.

#### **Evaluation:**

Attendance: 30% (an attendance rate of 80% is mandatory)  
Class Discussion: 30%  
Presentation: 40%

### **4. Special Lecture & Seminar: Workshop on International Negotiation**

Co-ordinator: Frank BENNETT  
Class: Thursdays, 8:45~12:00 (once every two weeks)  
Place: IRB Humanities & Social Sciences, Rooms 404~405

This course provides an opportunity to study and to practice negotiation skills in an international context. Sessions will involve lectures, practical sessions, and discussions based on both. Topics to be covered may include:

1. The purpose of negotiation and the value of "negotiation skills"
2. The result of negotiation: Agreements and their forms
3. Zero-sum versus win-win bargains



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4. Negotiation psychology and cross-cultural communication
5. Identifying and controlling risk
6. Positions versus interests
7. Option building and the importance of listening
8. Hard bargaining

Course content is of course open to negotiation.

### Reference Materials:

Fisher, Ury & Patton, *Getting to Yes: negotiating agreement without giving in* (2<sup>nd</sup> ed. 1991)  
(negotiation and arbitration problems to be distributed)

### Evaluation:

Statement of objectives:	10%
Class attendance & participation:	40%
Final report:	50%

<b>5. Special Lecture &amp; Seminar: Yomiuri Shimbun Special Lecture – Comparative Asian Corporate Theory</b>
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Co-ordinator:	MIZUSHIMA Tomonori (t.mizushima@law.nagoya-u.ac.jp)
Instructors:	Journalists from the <i>Yomiuri Shimbun's</i> Tokyo Office
Class:	Wednesdays, 14:45~16:15 (~18:00)
Place:	School of Law, Room 911

Journalists from the Tokyo Office of the *Yomiuri Shimbun* will conduct this course, based on their on-the-spot news coverage around the world and teaching experience in California. A series of topics related to Japan and other Asian countries will be included in this course.

### Topics to be covered:

第1回 10月10日 読売新聞と海外報道/岡本道郎(国際部長)

#### 1. October 10, Yomiuri and foreign news coverage

Instructor: Michiro Okamoto, international news editor

As the leading newspaper in Japan, the *Yomiuri Shimbun* has been reporting international news extensively with 52 overseas correspondents. We will look into how Japanese media like Yomiuri cover foreign news, and also compare Japanese foreign news coverage with that of the rest of the world.

Mr. Okamoto was Tehran Correspondent from 1990 to 1992, Cairo Correspondent from 1995 to 1999, and from 2003 to 2007, and General Bureau Chief of the Americas (Washington) from 2008 to 2011.

第2回 10月17日 アジアの米軍態勢見直し/小川 聡(政治部記者)

#### 2. October 17, US force posture in the West Pacific

Instructor: Satoshi Ogawa, political correspondent

The US forces are trying to adjust their posture in response to recent evolutions of Chinese military modernisation in the West Pacific. How will this affect the US forces in Japan and the transformation agreement of the US forces in Okinawa? We will discuss this with firsthand information from a correspondent who has covered both Japan and US security agencies.

第3回 10月24日 日本の留学生政策/南 砂(医療情報部長)

#### 3. October 24, Japan's Foreign Student Policy

Instructor: Masago Minami, editor, Medical Intelligence Department

It was in 1983, with only 8,000 foreign students studying in Japan at the time, when the Japanese Government set a goal to accept 100,000 overseas students by the early 21<sup>st</sup> century. The goal was finally attained in 2002, but a number of problems had appeared in the meantime. We will review and discuss the areas in which the Japanese have achieved and failed vis-à-vis foreign student policy in

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terms of a long-term perspective.

Ms Minami is a medical doctor specialising in psychiatry

第4回 10月31日 一つの言葉で対話するアジア/高須賀茂文(英字新聞部次長)

### **4. October 31, English as a common language among newspapers in Asia**

Instructor: Shigefumi Takasuka, assistant editor of The Daily Yomiuri

Until recently, newspapers in Asian countries did not exchange their articles, editorials and commentaries among themselves on a regular basis. However, the advent of the Internet age and use of English as a common language have made this possible. This development is symbolised by the establishment in 1999 of the Asia News Network, an alliance of 21 newspapers in 18 countries including The Yomiuri Shimbun and The Daily Yomiuri in Japan. ANN member newspapers not only exchange articles among themselves but also operate their own news site and publish a weekly magazine with articles that they contribute to its Bangkok headquarters.

Mr. Takasuka, former Yomiuri Shimbun correspondent in Bangkok, will discuss this unique challenge to the world of international journalism that had been long dominated by Western media.

第5回 11月7日 日本とファッション/宮智 泉(編集委員)

### **5. November 7, Japan and Fashion**

Instructor: Izumi Miyachi, Senior Writer, Yomiuri Shimbun

Japanese fashion attracts designers and the young generation from all over the world through its creative style. How did it develop? Can it be a soft power for Japan? What kind of influence does it have on Asian countries? Ms. Miyachi will provide an introduction to Japanese fashion and the power of consumers that made it unique.

Ms. Miyachi has long been a staff writer of the lifestyle & culture section and was a visiting lecturer at the Graduate School of Journalism, UC Berkeley.

第6回、7回 11月14日(14:45~18:00) 日本の安全 アジアの安全/ 笹島雅彦(調査研究本部主任研究員)

### **6. & 7. November 14 (14:45~18:00), Security in Asia and Japan**

Instructor: Masahiko Sasajima, Senior Research Fellow, Yomiuri Research Institute

Mr. Sasajima will provide an introduction, from the perspective of both policy analysis and journalism, to the structure of political and military affairs in Asia as well as a comparison of the national security policies of major nations of the region. Particular attention is given to the continuation of the Maritime Self-Defence Force's refuelling mission in the Indian Ocean.

Mr. Sasajima is a former correspondent of the Beijing Bureau and visiting lecturer at J-School, UC Berkeley.

第8回、9回 11月21日(14:45~18:00) 歴史問題とアジア/ 鬼頭 誠(調査研究本部主任研究員)

### **8. & 9. November 21 (14:45~18:00), Historical Issues and Asia – War Responsibility of the Japanese**

Instructor: Makoto Kito, Senior Research Fellow, Yomiuri Research Institute

In 2006, the Yomiuri Shimbun occasionally published features in morning editions on the war responsibility of the Japanese leadership in World War II. Why did Japan expand the Sino-Japanese War? Why did she wage war with the U.S. in spite of extremely slim resources? What caused the Japanese to employ “banzai attacks”, or “kamikaze” suicide attacks? Wasn't it possible to prevent the atomic bombings of Hiroshima and Nagasaki? Let's re-examine and try to identify the responsibility of the war leaders' failures, while finding lessons to be learned.

Mr. Kito worked as a member of the Yomiuri Shimbun War Responsibility Re-examination Committee. The translated compilation of the features was published both in English in 2006 and in Chinese in 2007.

第10回 11月28日 アジアの宇宙時代/ 滝田恭子(科学部主任)

### **10. November 28, Space Race in Asia**

Instructor: Kyoko Takita, Science News Reporter

China and India are emerging as space superpowers with new rockets, manned spaceflights and lunar explorations. They may change the old scheme of space activities led by US and Russia in co-operation

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with Japan, EU and Canada. We will discuss the impact of the space race on world politics and the utilisation of resources in space and on the moon.

Ms. Takita covers space shuttle flights, rockets and satellites development, and science and technology policies.

第11回 12月12日 フクシマと原子力の未来/大塚隆一(編集委員)

### 11. December 12, Fukushima and the Future of Nuclear Energy

Instructor: Ryuichi Otsuka, senior writer

The Fukushima Daiichi incident, following the catastrophic earthquake and tsunami, has raised new questions about the safety of nuclear power. Does nuclear energy offer a path away from carbon-based fuels? Or are nuclear power plants too big a threat? We will discuss the merits and demerits of nuclear energy and its future.

Mr. Otsuka worked as a correspondent in Geneva, New York and Washington DC.

第12回、13回 12月19日(14:45~18:00) 世界のスポーツとアジア/結城和香子(編集委員)

### 12. & 13. December 19 (14:45~18:00), The Olympic Games and Asia

Instructor: Wakako Yuki, senior writer (Former Sydney and Athens bureau chief in charge of the Yomiuri Shimbun's Olympic Games coverage.)

The Beijing and London Olympic Games provided an opportunity for us to ponder and discuss what the positives and the negatives of the modern Olympic Games, a private sports movement which has miraculously lasted for over 100 years, actually are. Are the Olympic Games a legacy of humanity which should be carried on into the future? Or have its negative aspects caught up at last?

Taking into considerations aspects such as;

Positives

- Olympic Games can create initiatives for peace
- Olympic Games have considerable economic impact
- can inspire us to go beyond our limitation, value of life
- demonstrate passion for sports
- opportunity to overcome discrimination

Negatives

- too much pressure to win spurs doping problems
- has become too expensive and gigantic, riches' games
- bidding race is susceptible to corruptions
- sports have become a mere entertaining show
- can be used as political propaganda or tools

We will try to ascertain why we do or don't need the Olympic Games.

第14回 1月16日 中国と北朝鮮/比嘉清太(国際部記者)

### 14. January 16, China and the DPRK

Instructor: Kiyota Higa, staff writer of the International News Department

China and the DPRK have had a close relationship since the Korean War. Today the world watches when Kim Jong-un, the new leader of DPRK, visits China, which has been the biggest supporter of the DPRK.

Mr. Kiyota Higa, former correspondent to Shenyang, will lecture on how this alliance functions and influences the world.

第15回 1月23日 新聞社のメディア戦略/松井 正(メディア戦略局IT事業部次長)

### 15. January 23, Online Media: A Disruptive Technology

Instructor: Tadashi Matsui, deputy manager, Department of Research & Development Operations, Digital Media Bureau

The Internet and mobile media have had a clearly disruptive effect on the newspaper industry. Keeping in mind the unique characteristics of the Japanese newspaper business, we will examine how newspapers can reach the younger generation and find the means to survive.

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Mr. Matsui is a former visiting researcher at the Newspaper Association of America. He is a video journalist, web director, and a former staff writer with The Yomiuri Shimbun's Science Department.

### **Evaluation:**

Participation and the submission of a report at the end of the course.

### **6. Studies in Jurisprudence: Law as Political Theory II**

Co-ordinator: MORIGIWA Yasutomo  
Class: Mondays, 16:30~18:00 (class held every two weeks)  
Place: Graduate School of International Development (GSID), Seminar Room 5 (511)

This bi-weekly course, with one credit given for each semester, introduces the student to the world of legal and political theory. Theories to be discussed include that of Hobbes, Locke, Rousseau, Kant, and Hegel, as well as those developed by Hart, Dworkin, Raz and Rawls. Selected theories will be examined and explained, answering the burning questions any conscientious student would have on political power and public order. The course will be taught in English, with summaries in Japanese as necessary. International and Japanese students are welcome. The class time and venue will be decided at the first class meeting on Monday, 1 Oct 2012.

## School of Letters

### **1. Pre-war Japanese Cinema**

Co-ordinator: FUJIKI Hideaki (hfuji@lit.nagoya-u.ac.jp)  
Class: Wednesdays, **17:30~19:00**  
Place: School of Letters, Lecture Room 127

Cinema always involves multiple socio-historical dimensions relating to politics, economics, technology, aesthetics, culture, and everyday life. It follows that examining cinema helps us to understand the complex relationships these dimensions have with each other. This class provides students with an opportunity to analyze films related to such historical issues as Japanese nationalism, colonialism, the American occupation, and social protests.

Evaluation:  
Attendance 10%  
Contribution to Class Discussion: 20%  
Term Paper 70%

### **2. Japanese Culture: Language and Communication II**

Co-ordinator: YASUI Eiko (eyasui@lit.nagoya-u.ac.jp)  
Class: Tuesdays, 13:00~14:30  
Place: IRB Humanities & Social Sciences, Room 307

The purpose of the autumn semester of this course is to look at various phenomena in conversation. We focus on how Japanese linguistic structures as well as society/culture form the way people talk. We also examine conversations in different contexts (casual conversations, business settings, service encounters, classroom interaction, doctor-patient interaction, native/non-native conversations, etc.) and discuss various communication problems in society.

### **Topics to be covered:**

1. Universal organisation of conversation
2. Japanese linguistic structures and conversations
3. Problems in communication

## Courses in the Student's Major

### Reference Materials:

Handouts

### Evaluation:

Participation/attendance:	20%
Exercises:	20%
Final project (presentation and paper)	60%

\*Details to be given in class.

### 3. 日本語文化入門 II (Introduction to Japanese Language & Culture II)

Co-ordinator:	SAITO Fumitoshi
Class:	Tuesdays, 16:30~18:00
Place:	School of Letters, Lecture Room 237

**NB.** Course taught in Japanese and which requires at least level N2 (or 2) of the Japanese Language Proficiency Test (JLPT) or equivalent.

この講義は、日本語文化に対する理解を深めることを目的とする。特に、語彙(単語)に焦点が当てられる。また、講義、クラス討論、レポート、グループ発表の様々な形式をとる。

### Topics to be covered:

1. 「昨日頭を切ってきたよ」「昨日頭をカットしてきたよ」は言えるのに、「昨日頭を切断してきたよ」だとぶきみになってしまうのはなぜ？
2. 「今日は11月3日、祝日でちょうど日曜日にあたります」の中の5個の「日」、なんでみんな読み方が違うの？
3. 「見上げてごらん、星がギラギラまたたいているよ」はなぜロマンチックじゃないの？
4. 「ホーカにケッタマシンで郵便局行ったら、どえりゃあ疲れてまった」ってどんな意味？

### Reference Materials:

必要に応じてプリントを配布。

### Evaluation:

出席:	30%
授業への貢献度:	30%
レポート:	40%

## Graduate School of Mathematics

### Perspectives in Mathematical Sciences II (Graduate)/IV (Undergraduate)

Co-ordinators:	Thomas GEISSER, ISHI Hideyuki, TANIGAWA Yoshio
Class:	Tuesdays, 14:45~16:15
Place:	Graduate School of Mathematics Building, Room 109

This course is designed as one of the English courses which the Graduate School of Mathematics provides for graduate and undergraduate students not only from foreign countries but also domestic students who have a strong intention to study abroad or to communicate with foreign scientists in English. All course activities including lectures, homework assignments, questions and consultations are conducted in English. The purpose of this course is to introduce and explain various methods in mathematical science.

**Prerequisites:** Knowledge of basic undergraduate mathematics including calculus and linear algebra.

## Courses in the Student's Major

### Topics to be covered:

#### A. Thomas GEISSER: Quadratic Forms and Milnor's Conjecture

A classical topic of number theory is the study of (non-degenerate, symmetric) bilinear forms over a field (of characteristic not 2). The isomorphism classes of bilinear forms are a ring under direct sum as addition and tensor product as multiplication. Dividing out the (easy to understand) hyperbolic spaces one obtains the Witt ring  $W(k)$ , an important invariant of the field. The goal of the course is to explain the statement and meaning of Milnor's conjecture, and to give some ideas on its proof.

1. Quadratic forms, the Witt ring.
2. Milnor  $K$ -theory and Milnor's conjecture.
3. Galois cohomology, the Bloch-Kato conjecture.
4. Main idea of the proof.

#### Reference Materials:

- [1] Milnor, John, Algebraic  $K$ -theory and quadratic forms. Invent. Math. 9 1969/1970.
- [2] Gerstein, Larry, *Basic quadratic forms*, Grad. studies Math. AMS
- [3] Serre, J.P., *Cobomologie Galoisienne*, Springer
- [4] Orlov, D.; Vishik, A.; Voevodsky, V. *An exact sequence for  $KM=2$  with applications to quadratic forms*. Ann. of Math. 2007.
- [5] Kahn, Bruno *La conjecture de Milnor (d'apres V. Voevodsky)*, Handbook of  $K$ -theory. Springer 2005.
- [6] Voevodsky, V. *Motivic cohomology with  $\mathbb{Z}/2$ -coefficients*, Publ. Math. IHES 2003

#### B. ISHI Hideyuki: Spherical harmonics and group representations

In this lecture, we will study the spherical harmonics in the perspective of representation theory of the orthogonal group  $SO(3)$ , and their application to quantum mechanics. Further generalization of the theory to the spherical functions on  $S_n$  and on other symmetric spaces will be also discussed.

#### Reference Materials:

- [1] A. Perelomov, "Generalized coherent states and their applications", Springer, 1986.
- [2] N. J. Vilenkin, "Special functions and the theory of group representations", Translation of mathematical monographs 22, AMS, 1968.

#### C. TANIGAWA Yoshio: Invitation to Ramanujan's theory of Eisenstein series

The foundation of elliptic functions was established in nineteenth century by Jacobi, Weierstrass, etc. On the other hand, around 1900, Ramanujan rediscovered almost all fundamental facts on elliptic functions by himself. In this lecture, we will give the first introduction to Ramanujan's theory of elliptic functions and Eisenstein series.

Through lack of time, we have to restrict ourselves to several topics on Ramanujan's theory. The present plan is as follows. First we will show Ramanujan's trigonometrical identity which is the basis of his theory of Eisenstein series. We are going to give two kinds of proof. Next we will show the differential equations satisfied by the Eisenstein series. If possible we shall discuss Ramanujan's proof of Jacobi's triple product identity. More detailed plan will be given in the lecture.

#### Reference Materials:

- [1] K. Venkatachaliengar, Development of Elliptic Functions According to Ramanujan (edited and revised by S. Cooper), Monographs in Number Theory, Vol 6, World Scientific 2012.
- [2] B.C. Berndt, Number Theory in the spirit of Ramanujan, AMS, 2006.
- [3] E. T. Whittaker and G. N. Watson, Modern Analysis, Cambridge University Press, 1927.

#### Evaluation:

Attendance and report problems, as assigned by each instructor. The final grade will be decided according to the totality of the scores

School of Science

**1. Advanced Quantum Chemistry**

Co-ordinator: Stephan IRLE  
Class: Wednesdays, 10:30~12:00  
Place: School of Science Building B, Lecture Room 3 <B-116>

**Prerequisites:** Basic knowledge of quantum chemistry and some familiarity with electronic-structure theory and/or molecular dynamics techniques.

In complex reaction systems at high temperatures, following the minimum energy pathways on the potential energy surface is not only impossible, but will entirely neglect important entropic effects during the reactions. Quantum chemical molecular dynamics (QM/MD) simulations have recently elucidated the formation as well as erosion mechanisms of nanomaterials such as fullerenes, carbon nanotubes, and graphenes. In this class, all theoretical concepts important for QM/MD simulations will be covered.

**Topics to be covered:**

1. Born-Oppenheimer approximation and potential energy surfaces (PESs)
2. Location and characterisation of stationary states on the PES
3. Comparison: Molecular mechanics and quantum chemical methods
4. LCAO-MO theory; Hartree-Fock theory
5. Basis sets in quantum chemical calculations
6. The electron correlation methods)
7. Quantum chemistry and the bond breaking/formation problem
8. Density-based methods: Kohn-Sham theory, density functional theory (DFT)
9. Time-dependent Density Functional Theory
10. Density-Functional Tight-Binding
11. Integrated and Multiscaling Methods, ONIOM
12. QM/MD simulations: BOMD, CPMD, LvNMD

**Textbook:**

Self-made scriptum

**Reference Materials:**

Thomas Engel, *Quantum Chemistry & Spectroscopy, 2nd Edition*, Prentice Hall

M. P. Allen, D. J. Tildesley (1989), *Computer Simulation of Liquids*, Oxford University Press (ISBN 0-19-855645-4)

A self-prepared script

**Evaluation:**

Final Examination: 40%  
Six Assignments: 10% each

**2. Computational Chemistry**

Co-ordinator: Stephan IRLE  
Class: Thursdays, 8:45~10:15  
Place: School of Science Building A, Room 250

“How can I use computers in chemistry?” The purpose of this course is to introduce computer science from a chemist's perspective. The course begins with an introduction to the basic use of computers for data search, and introduces FORTRAN 90 as a way to solve simple scientific problems in an efficient way.

## Courses in the Student's Major

**NB.** As students will use computers during class time, it is imperative that they bring their student ID cards, computer system IDs and passwords.

### **Topics to be covered:**

1. Using the computer: Searching for information
2. Constructing and viewing 3-dimensional models of molecules: GaussView, MOLGEN programs
3. Overview over commercial molecular modeling packages
4. Introduction to FORTRAN 90: Compilers, etc.
5. Data Types, Constants, and Variables
6. If, else if, case expressions
7. Do loops
8. Formatted input
9. Formatted/Unformatted output
10. Subprograms
11. Application: Data processing
12. Bohr atom model

### **Textbook:**

Self-made scriptum

Larry Nyhoff, Sanford Leestma: *Introduction to FORTRAN 90*

Thomas Heine: *Computer Chemistry Workbook*, VCH, Weinheim.





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