

NUPACE ACADEMIC POLICIES & SYLLABI

Nagoya University

名古屋大学交換留学受入プログラム



Spring 2017

NUPACE Academic Calendar & Policies – Spring 2017

1. Calendar

Apr 11 ~ Aug 7	Semester dates for regular/G30 courses
Apr 11 ~ Jul 24	Semester dates for University-wide Japanese Language Programme (UWJLP)
Aug 8 ~ Sep 30	Summer vacation

(Oct 2 Autumn 2017 semester commences)

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

Apr 29	昭和の日	Showa Day
May 3	憲法記念日	Constitution Day
May 4	みどりの日	Greenery Day
May 5	こどもの日	Children's Day
Jul 17	海の日	Marine Day

In addition, many classes will be cancelled from the afternoon of Thursday, Jun 8 to Friday, Jun 9 for the Nagoya University Festival. Please check with your course instructors.

2. List of Courses Open to NUPACE Students

1. <NUPACE Programme> For G30 International Programs, refer to pp. 4~5.

Japanese Language Programmes (ILC/IEEC):

Standard Course in Japanese (7 Levels: SJ101~SJ301)	1~5 crdts	p 13
Intensive Course in Japanese (6 Levels: IJ111~IJ212)	2~10crdts	p 14
漢字<Kanji>1000	1 credit	p 14
Academic Japanese II, IV, V (G30)	1.5 crdts	p 15
Business Japanese II, IV (G30)	1.5 crdts	p 16

入門講義 <J>*(Introductory Courses Taught in Japanese) (ILC):

日本文化論 II (Introduction to Japanese Society & Culture II)	2 credits	p 17
日本語学・日本語教育学 II (Introduction to Japanese Linguistics II)	2 credits	p 17
言語学入門 II (Introduction to Linguistics II)	2 credits	p 18
日本文学 II (Japanese Literature II)	2 credits	p 18

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

Courses in the Student's Major (English Language Programme)

International Education & Exchange Centre (IEEC)

Contemporary Japanese Society	2 credits	p 19
Introduction to Intercultural Competence	2 credits	p 19
Teaching Practice in the Japanese Community	2 credits	p 20

(Graduate) School of Economics: Also refer to G30 International Programmes on pp. 4~5

Introduction to Global Management	2 credits	p 21
Japanese Human Resources Management	2 credits	p 22

(Graduate) School of Education:

Intercultural Training Methods	2 credits	p 22
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(Graduate) School of Engineering: Also refer to G30 International Programmes on pp. 4~5

Introduction to Applied Physics, Materials & Energy Engineering	2 credits	p 23
Introduction to Chemical & Biological Industries	2 credits	p 23

Introduction to Production Engineering	2 credits	p 24
<i><u>Graduate School of Environmental Studies:</u></i>		
Advanced Architectural and Urban Planning Workshop 1 <G>	2 credits	p 25
Advanced Architectural and Urban Planning Workshop 2 <G>	2 credits	p 26
Environmental Systems Analysis and Planning	2 credits	p 26
Field Seminar on Environmental Studies	2 credits	p 27
International Environmental Law	2 credits	p 28
Low Carbon Cities Studies	2 credits	p 28
<i><u>(Graduate) School of Humanities: Also Refer to G30 International Programmes on pp. 4~5</u></i>		
North American Cultural Studies a: Multiculturalism in Canada	2 credits	p 29
Pragmatics of Verbal Expression a:		
Reading and discussing essays about translation	2 credits	p 29
<i><u>Graduate School of International Development (GSID):</u></i>		
Comparative and International Education	2 credits	p 30
International Co-operation Law	2 credits	p 31
Introduction to International Development	2 credits	p 32
<i><u>(Graduate) School of Law: Also refer to G30 International Programmes on pp. 4~5</u></i>		
Comparative Studies in Constitutional Law: Outline of the Modern Constitution	2 credits	p 33
Comparative Studies in Criminal Law: Development of National Criminal Law under the Influence of Foreign and International Law (Intensive Course)*	2 credits	p 33
<small>* The above course is expected to be held in August or September 2017. Please enquire at the School of Law counter, IRB Office for details.</small>		
Comparative Studies in Jurisprudence: The Law and its Personnel	2 credits	p 34
Professional Studies in International Law: Introduction to International Law	2 credits	p 34
Seminar on Private Int'l Law: Introduction to Int'l Commercial Arbitration	2 credits	p 35
Special Problems: Comparative Private Law	2 credits	p 38
<i><u>Graduate School of Mathematics:</u></i>		
Perspectives in Mathematical Sciences III<U>/I<G>	2 credits	p 39

Class Time-table: Non-G30 Courses in the Student's Major, Academic Japanese, Business Japanese, Kanji, and 入門講義 (Introductory Courses in Japanese)

Unless indicated otherwise, the following courses commence on Tuesday, 11 April 2017. Students should refer to the course descriptions in this pamphlet for details of course content and eligibility. Floor maps for the locations of classrooms are available on the NUPACE website.

	Mon	Tue	Wed	Thu	Fri
(I) 08:45-10:15					
(II) 10:30-12:00		Environmental Systems Analysis & Planning (Environmental Studies Hall, Lecture Rm 3)	Low Carbon Cities Studies (Environmental Studies Hall, Lect. Rm 2)	Comparative and International Education (GSID, 5F, Sem. Rm 6 (515))	
		Intercultural Training Methods (Education, Lecture Rm 2)	Int'l Environmental Law (Grad. School/Informatics, Lect. Rm 4)	Special Problems: Comparative Private Law (Law, Sem. Rm 905)	
		North American Cultural Studies a (IRB Humanities & Soc. Sc., Rm 623)			
(III) 13:00-14:30	Comparative Studies in Constitutional Law: Outline of the Modern Constitution (Law, Sem. Rm 905)	Advanced Architectural and Urban Planning Workshop 1 (ES Bldg, Rm 408 & Studio for Graduate Students <435>)	Intro to International Development (GSID, 8F, Auditorium)		Advanced Architectural and Urban Planning Workshop 2 (ES Bldg, Rm 408 & Studio for Graduate Students <435>)
		Comparative Studies in Jurisprudence: The Law & its Personnel (Law, Sem. Rm 905)	Introduction to Chemical & Biological Industries (Eng. Bldg. 1, Rm 143)		
(IV) 14:45-16:15	Comparative Studies in Constitutional Law: Outline of the Modern Constitution (Law, Sem. Rm 905)	Advanced Architectural and Urban Planning Workshop 1 (ES Bldg, Rm 408 & Studio for Graduate Students <435>)	Intro to Production Engineering (Eng. Bldg 2, Rm 222)	Seminar on Private Int'l Law: Introduction to Int'l Commercial Arbitration (Law, Sem. Rm 905)	Advanced Architectural and Urban Planning Workshop 2 (ES Bldg, Rm 408 & Studio for Graduate Students <435>)
	Japanese Human Resources Management (Economics, Lecture Rm 3)	Comparative Studies in Jurisprudence: The Law & its Personnel (Law, Sem. Rm 905)		日本語文化論 II (IEEC, Rm 207)	Contemporary Japanese Society (IEEC, Rm 207)
	日本語学・日本語教育学 II<J> (IEEC, Rm 207)	Introduction to Intercultural Competence (ALEP, Japanese Sem. Rm 1)	漢字 1000 (IEEC, Rm 207)		
	Academic Japanese (R&W) V (漢字 2000) (IEEC, Rm 308)	Intro to Applied Physics, Materials & Energy Engineering (IB Bldg, Rm 014)			言語学入門 II <J> (IEEC, Rm 308)
(V) 16:30-18:00		International Co-operation Law/Professional Studies in International Law (GSID, 6F, Lecture Rm 3 (613))	Introduction to Global Management (Economics, Lecture Rm 3)	Pragmatics of Verbal Expression a (IRB Humanities & Soc. Sc., Rm 623)	
			Field Seminar on Environmental Studies (Env. Studies Hall, Lect. Rm 1)	日本文学 II<J> (IEEC, Rm 207)	
			Teaching Practice in the Japanese Community (Poppins-After-School)		
(VI) 18:15-19:45		Academic Japanese (L&P) II (IEEC, Rm 301)	Academic Japanese (R&W) II (IEEC, Rm 301)	Business Japanese II (IEEC, Rm 207)	
		Academic Japanese (L&P) IV (IEEC, Rm 207)	Academic Japanese (R&W) IV (IEEC, Rm 207)	Business Japanese IV (IEEC, Rm 308)	

2. < Global 30 (G30) International Programmes (English-taught)>

Website for G30 programmes: <http://admissions.g30.nagoya-u.ac.jp/>

G30 Undergraduate Programmes:

<http://admissions.g30.nagoya-u.ac.jp/undergraduate/>

Links to information on undergraduate G30 programmes, including timetables and syllabi, are listed below. Hard copies of the latest course syllabi are also available in the NUPACE Office.

Programme (School)	Academic Field(s)
Automotive Engineering (Engineering)	<u>Mechanical and Aerospace Engineering</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/automotive/ <u>Electrical, Electronic, & Information Engineering</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/automotive/ Notes/Restrictions: <i>Tours in Industrial Plants A</i> → Not open to NUPACE students <i>Overview of Advanced Electrical, Electronic & Information Engineering</i> → Held in the autumn semester (not spring semester)
Biological Sciences (Science/Agricultural Sciences)	<u>Biological Science (School of Science)</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/biological/ <u>Applied Biosciences (School of Agricultural Sciences)</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/biological/
Chemistry (Science/Engineering)	<u>Chemistry (School of Science)</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/chemistry/ <u>Chemical and Biological Engineering (School of Engineering)</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/chemistry/
Fundamental & Applied Physics (Science/Engineering)	<u>Physics (School of Science)</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/physics/ <u>Physical Science and Engineering (School of Engineering)</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/physics/
Social Sciences (Law/Economics)	<u>Law and Political Science</u> Timetable & Syllabi: https://canvas.law.nagoya-u.ac.jp/pubs/syllabi-latest.html (Click on the “G30” tab at the top of the page) <u>Economics and Business Administration</u> Timetable & Syllabi: http://admissions.g30.nagoya-u.ac.jp/undergraduate/social/#sl_2 Also, http://www2.soec.nagoya-u.ac.jp/education-en/programs-en/
Japan-in-Asia Cultural Studies (Humanities)	<u>Modern Literature, Modern History, Cinema</u> Syllabi: https://syllabus.lit.nagoya-u.ac.jp/ (Enter “G30” in the section entitled 「専攻」 / “Major”) Notes/Restrictions: <i>Joint Undergraduate Seminar</i> → Not open to NUPACE students <i>Classical Film Theory</i> → Graduate students only <i>Introduction to East Asian History</i> → Requires instructor’s permission

	<i>East Asia in World History</i> → Requires instructor's permission <i>Asian Cinema after 1945</i> → Requires instructor's permission
Liberal Arts and Sciences (Institute of Liberal Arts and Sciences <ILAS>)	<u>Liberal Arts and Sciences</u> Timetable & Syllabi: http://adm.ilas.nagoya-u.ac.jp/office/ (Enter "G30" in the search window) Notes/Restrictions: Foreign languages commencing with code numbers 002 and 004 are not open to international students.

Graduate Programmes:

<http://admissions.g30.nagoya-u.ac.jp/graduate/>

Hard copies of the latest course syllabi are also available in the NUPACE Office.

Graduate School	Academic Field(s)
Engineering	<u>Automotive Engineering</u> Course List: http://admissions.g30.nagoya-u.ac.jp/graduate/automotive/ <u>Civil and Environmental Engineering</u> Course List: http://admissions.g30.nagoya-u.ac.jp/graduate/civil_environmental/
Science/Mathematics	<u>Physics and Mathematics</u>
Science/Engineering	<u>Chemistry</u> Course List for Applied Chemistry, Chemical Engineering & Biotechnology: http://admissions.g30.nagoya-u.ac.jp/graduate/chemistry/
Science/Medicine/ Bioagricultural Sciences	<u>Biological and Bioagricultural Sciences</u>
Medicine	<u>Medical Science</u>
Humanities	<u>Japan-in Asia Cultural Studies</u> Syllabi: https://syllabus.lit.nagoya-u.ac.jp/ (Enter "G30" in the section entitled 「専攻」 / "Major") Notes/Restrictions: <i>Joint Undergraduate Seminar</i> → Not open to NUPACE students <i>Classical Film Theory</i> → Graduate students only <i>Introduction to East Asian History</i> → Requires instructor's permission <i>East Asia in World History</i> → Requires instructor's permission <i>Asian Cinema after 1945</i> → Requires instructor's permission <u>Linguistics and Cultural Studies</u> Syllabi: http://www.lang.nagoya-u.ac.jp/G30/clc/pdf/course-descriptions-17.pdf Notes/Restrictions: <i>Thesis Writing I, II</i> → Not open to NUPACE students <i>Linguistic Typology and the Japanese Language</i> → JLPT N1 holders only
Economics	<u>Economics and Business Administration</u> Timetable & Syllabi: http://www2.soec.nagoya-u.ac.jp/education-en/programs-en/
Law* (*English-language graduate programme independent of G30. For School of Law-affiliated students only)	<u>Law and Political Science</u> Timetable & Syllabi: https://canvas.lan.nagoya-u.ac.jp/pubs/syllabi-latest.html (Click on the "Graduate School of Law" tab at the top of the page)

3. <Japanese-taught Courses in the Student's Major>

Students participating in NUPACE are eligible to register for most Japanese-taught courses offered to degree-seeking students at Nagoya University, provided that they have a suitable academic background and possess level N1 of the Japanese Language Proficiency Test (JLPT). Access to online information on individual schools and departments is available at <http://www.nagoya-u.ac.jp/about-nu/org/sch-list/>.

The following is a list of Nagoya University's schools and corresponding departments, with details on courses and syllabi available at the URLs listed beneath the departments:

学部レベル:

文学部:	文芸言語学、哲学論理学、歴史学・人類学、環境行動学 http://syllabus.lit.nagoya-u.ac.jp/
教育学部:	生涯教育学科、学校教育学科、国際教育文化学、心理行動学科、発達臨床学科 http://www.educa.nagoya-u.ac.jp/school/
法学部:	基礎実定法学、基礎政治学、現代基礎法学、紛争処理法制、企業経済法制、公共政策、国際関係、法政情報 http://canvas.law.nagoya-u.ac.jp/pubs/syllabi-latest.html
経済学部:	理論経済、応用経済、企業経営、情報会計 http://133.6.182.153/campusinfo/#gakubu
情報学部:	自然情報学、人間社会情報学、コンピュータ科学 http://pr.is.nagoya-u.ac.jp/concept/
理学部:	数学、物理学、化学、生物科学、地球惑星科学 http://www.sci.nagoya-u.ac.jp/education/index.html
医学部:	解剖学、生理学、生化学、病理学、微生物学、医動物学、免疫学、法医学、衛生学、公衆衛生学、予防医学、内科学、神経内科学、外科学、胸部外科学、整形外科学、産婦人科学、眼科学、精神医学、小児科学、皮膚科学、泌尿器科学、耳鼻咽喉科学、放射線医学、麻酔学、口腔外科学、脳神経外科学、老年科学、救急医学、臨床検査医学 http://www.med.nagoya-u.ac.jp/medical/1804/index.html (medicine) 基礎看護学、臨床看護学、発達看護学、地域・住宅看護学、基礎放射線技術学、医用放射線技術学、基礎検査学、病因・病態検査学、基礎理学療法学、病態理学療法学、基礎作業療法学、病態作業療法学 http://www.met.nagoya-u.ac.jp/SYLLABUS/index.html (health sciences)
工学部:	化学生命工学、物理工学、マテリアル工学、電気電子工学、機械・航空宇宙工学、エネルギー工学、環境土木・建築学 http://www.engg.nagoya-u.ac.jp/dept/index.html
農学部:	生物環境科学、資源生物科学、応用生命科学 http://133.6.182.153/wp-content/uploads/2016/04/2_2016UG_syllabus.pdf

3. <日本語で開講されている授業科目について>

NUPACE に参加する学生は、学業上有益であると認められる場合には、日本語での正規授業を履修することができます。ただし、日本語能力試験 (JLPT) において N1 レベル相当を取得していることが条件となります。各学部・研究科の情報は下記のウェブサイトを参照してください。
<http://www.nagoya-u.ac.jp/about-nu/org/sch-list/>

名古屋大学には以下の学部・研究科があります。コースシラバスは、それぞれのウェブサイトから見ることができます。

大学院レベル:

- 人文学研究科: 文芸言語学、哲学論理学、歴史学・人類学、総合文化コース
<http://syllabus.lit.nagoya-u.ac.jp/public/index>
- 教育発達科学研究科: 生涯教育学、学校情報環境学、相関教育科学、高等教育学、生涯スポーツ科学、心理社会行動科学、精神発達臨床科学、スポーツ行動科学
<http://www.educa.nagoya-u.ac.jp/graduate/>
- 法律研究科: 基幹法、政治学、現代法システム論、国際・比較法政、アジア法政
<https://canvas.law.nagoya-u.ac.jp/pubs/syllabi-latest.html>
- 経済学研究科: 市場・制度分析、社会経済分析、制作システム分析、社会環境システム、企業システム、経営改新、情報創造
<http://133.6.182.153/campusinfo/#daigakuin>
- 理学研究科: 素粒子宇宙物理学専攻、物質理学専攻、生命理学専攻
<http://www.sci.nagoya-u.ac.jp/education/index.html>
- 医学系研究科: 分子総合医学専攻、細胞情報医学専攻、機能構築医学専攻、健康社会医学専攻、医科学専攻医療行政コース、看護学専攻、医療技術学専攻、リハビリテーション療法学専攻
<http://www.med.nagoya-u.ac.jp/medical/1854/index.html> (medicine)
<http://www.met.nagoya-u.ac.jp/SYLLABUS/index-g.html> (health sciences)
- 工学研究科: 有機・高分子化学、応用物質科学、生命分子工学、応用物理学、物質科学、材料デザイン工学、物質プロセス工学、化学システム工学、電気工学、電子工学、情報通信工学、機械システム工学、マイクロ・ナノ機械理工学、航空宇宙工学、エネルギー理工学、総合エネルギー工学、土木工学
<http://www.engg.nagoya-u.ac.jp/dept/index.html>
- 生命農学研究科: 生物圏資源学専攻、生物機構・機能科学専攻、応用分子生命科学専攻、生命技術科学専攻
<http://www.agr.nagoya-u.ac.jp/graduate-school/youran/index.html>
- 国際開発研究科: 国際開発専攻、国際協力専攻
<http://www.gsid.nagoya-u.ac.jp/global/faculty/index.html>
- 多元数理科学研究科: 基幹数理、自然数理、社会数理、数理分析、高次元相
<http://www.math.nagoya-u.ac.jp/ja/education/2017/class.html#coursedesign>
- 環境学研究科: 地球環境科学専攻、都市環境学専攻、社会環境学専攻
<http://www.env.nagoya-u.ac.jp/syllabus/cur/syllabus.php>
- 情報学研究科: 数理情報学、複雑系科学、社会情報学、心理・認知科学、情報システム学、知能システム学
<http://www.is.nagoya-u.ac.jp/admin/common/news/info20160826.pdf?20161117>
- 創薬科学研究科: 創薬有機化学、創薬生物科学、創薬分子構造学
http://www.ps.nagoya-u.ac.jp/graduate_course/syllabus/

3. Notes on Japanese-taught and Other Regular Non-G30 Courses

Students participating in NUPACE are eligible to register for Japanese-taught and other courses offered to degree-seeking students at Nagoya University. Prior to registration, however, they are requested to consult their academic advisors (pp. 42~44) 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.

Restrictions Regarding Registration for Other Courses:

1. Students may not register for any sport/physical exercise courses.
2. Students may not take more than one foreign language course per semester. (Japanese is not included in this requirement.)

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 42-44 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. 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。
2. 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。

4. Students engaging in Research/Guided Independent Study/Clinical

Practice

1. Special Research Students:

Special Research Students are students enrolled in graduate degrees (master's/doctorate level) at their home institutions who, at Nagoya University, wish to engage primarily in supervised research. Research students may register for credits, but are exempt from the obligation to earn credits at Nagoya University. Instead they 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/research supervisor on the title page.

Approximate length of report: 30 pages per semester (18 pages if written in Japanese)
Report submission deadline for spring 2017 semester: Friday, August 4, 2017

When discussing research with their academic advisor, special research students should ask him/her to refer to p. 19 of the following manual for more details: 『指導教員・留学生担当者のための交換留学生受入れマニュアル』.

1. 特別研究学生

在籍大学で大学院修士課程・博士課程にあり、本学指導教員のもと研究指導を希望する学生は、特別研究学生の身分が付与されます。特別研究学生は、授業履修による規定単位数を取得する代わりに、各学期末に研究成果報告書を NUPACE オフィスに提出しなければなりません。報告書の表紙には指導教員/副指導教員(研究指導教員)の捺印が必要です。なお、研究指導と併せて授業履修を希望する場合には、単位取得も可能です。

一学期当たりのレポート数 約 30 ページ (日本語の場合は 18 ページ)
報告書の提出締切 (2017 年度前期): 2017 年 8 月 4 日(金)

研究計画の相談をする際には、指導教員/副指導教員(研究指導教員)に『指導教員・留学生担当者のための交換留学生受入れマニュアル』の 19 ページを参照していただくよう伝えてください。

2. Guided Independent Study:

In their second semester of study, NUPACE undergraduate and graduate students can opt to take advantage of the 'Guided Independent Study (GIS)' system. After obtaining permission from their academic advisors, students may, with the co-operation of their academic supervisor/research 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 guide to the expected length of GIS reports and corresponding credits is as follows:

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

If written in Japanese, the approximate required length is as follows

6 pages → 2 credits 12 pages → 4 credits
18 pages → 6 credits 24 pages → 8 credits

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 the semester. GIS reports presented to the NUPACE Office must have the stamp of the student's academic advisor/research supervisor on the title page.

GIS submission deadline for spring 2017 semester: Friday, August 4, 2017

When discussing GIS with their academic advisor, students should ask him/her to refer to pp. 17~18 of the following manual for more details:
『しど う きょういん りゅうがくせい たんとしや こうかん りゅうがくせい指導 教員・留学生 担当 者のための 交換 留学生 受入れマニユアル』.

3. Students engaging in Clinical Practice (Medical Clerkships):

Students engaging in clinical practice (medical clerkship) at the School of Medicine may register for credits, but are exempt from the obligation to earn credits at Nagoya University; instead they are required to provide the NUPACE Office with a log report at the end of the semester. The log report must have the stamp of the student's academic advisor on the title page.

Approximate length of report: 6 pages (4 pages if written in Japanese)

2. 個人 勉学 指導 (GIS)

特別 聴講 学生 及び 大学院 特別 聴講 学生 については、2 学期 目以降、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/副 指導 教員 (研究 指導 教員)の 許可・協力 のもと、専門 に関する 研究 プロジェクト を実施 することも 可能です。研究 成果 は評価 により 規定 単位 が与え られます (最大 8 単位 まで 取得 可能)。成果 報告 書の ページ 数(目安)と GIS 単位 数は 次の とおり です。

10 ページ → 2 単位 20 ページ → 4 単位
30 ページ → 6 単位 40 ページ → 8 単位

(日本語 の 目安 は 次の とおり)

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

GIS(個人 勉学 指導)を行う 学生 は、各 学期 末に 研究 成果 報告 書を NUPACE オフィス へ提出 しなければ けません。報告 書の 表紙 には 指導 教員 /副 指導 教員 (研究 指導 教員)の 捺印 が 必要 です。

GIS の 提出 締切 (2017 年度 前期): 2017 年 8 月 4 日(金)

GIS の 相談 をする 場合 には、指導 教員 に『指導 教員・留学生 担当 者のための 交換 留学生 受入れマニユアル』の 17-18 ページ を参照 して いた だく よう 伝えて ください。

3. 臨床 実習 (医学 臨床 実習)

臨床 実習 (医学 臨床 研修)を行う 医学 部 の 学生 は、授業 履修 による 規定 単位 数を 取得 する 代わり に、各 学期 末に 実習 報告 書を NUPACE オフィス に提出 しなければ なりません。報告 書の 表紙 には 指導 教員 /副 指導 教員 (研究 指導 教員)の 捺印 が 必要 です。なお、研究 指導 と併せて 授業 履修 を希望 する 場合 には、単位 取得 も 可能 です。

一 学期 当たり の レポート 数 約 6 ページ (日本語 の 場合 は 4 ページ)

Report submission deadline for spring 2017 semester: Friday, August 4, 2017

報告書の提出締切 (2017 年度前期): 2017 年 8 月 4 日 (金)

5. Grading System/成績について

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 transcripts will contain the names of courses studied, class contact hours, number of credits awarded, letter grades and scores out of one hundred. 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. Please note that the NUPACE grading and withdrawal system takes precedence over the grading and withdrawal policies of individual schools and courses.

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。NUPACE 生は名古屋大学の評価方式によるものと、それを ECTS(ヨーロッパ単位互換制度)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。なお、NUPACE の成績評価方法また履修取下げ制度は各学部・研究科およびコースに定められている制度に優越しますが、ご注意ください。

Nagoya U. Grading System		ECTS Equivalent Scale
S (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)
W (Withdrawal)*	N/A	N/A

(Nagoya University has not adopted the grades D, E and Fx, as employed by ECTS)

***W(Withdrawal):** Students may withdraw from courses that they have registered for, and provided that the relevant procedures have been carried out, these courses shall be marked with a “W” on students’ academic transcripts. Please note that the deadline for completing withdrawal procedures is Friday, May 26, 2017.

Students who drop out of classes they have registered for without completing withdrawal procedures shall earn an “F”.

***履修取下げ制度:** 履修を取消するためには、所定の手続きが必要です。その場合、成績証明書上には“W”と表記されます。

履修取下げ申請締切:2017年5月26日(金)

履修取下げの手続きがなく受講を取りやめた場合、「欠席」と見なされ成績評価は“F”となります。

Necessary Procedures for Course Withdrawal:

1. Obtain a “Course Withdrawal Form” from the NUPACE Office. The form is divisible, with sections for 1) the course instructor, 2) student, and 3) ISED.
2. After filling out all applicable items on the form, submit it to the relevant course instructor and receive his/her signature on sections 2) and 3) of the form. The course instructor should keep the section entitled “For Course Instructor”, and return the other two sections to the student.
3. In order to complete withdrawal procedures, submit the section entitled “For ISED” to the Office by the deadline stipulated above.

Important Notes:

1. There is no guarantee that course instructors will grant permission to withdraw from courses. Treatment accorded to this request will vary according to the nature of the course and academic policy of the instructor.
2. Credits will not be awarded for courses which have been withdrawn from. When applying to withdraw from a course, students should ensure that they still have the minimum credit-load for the purpose of earning a “Certificate of Completion”. Please note that courses can no longer be added after the course registration period.
3. Students responsible for paying tuition fees to Nagoya University should note that a tuition fee refund for courses withdrawn from cannot be made after payment to their Schools of affiliation. The deadline for the payment of tuition fees is Thursday, April 27, 2017.

履修取り下げ申請手続き:

1. NUPACEオフィスから「履修取下げ届」を受領してください。届出用紙は、1)担当教員控え 2)学生控え 3)学生交流課控えに分かれています。
2. 必要事項を記入後、すべての控えを授業担当教員に提出し、控え2)と3)にサインをもらってください。「担当教員控え」は授業担当教員へ提出してください。
3. 「学生交流課控え」を履修取下げ申請期限までに提出すれば、履修取下げ手続きは完了です。

注意事項:

1. すべての授業科目において、必ずしも履修取下げが許可されるとは限りません。あくまで講義内容や授業担当教員の方針により異なります。
2. 履修を取下げた授業科目に単位は付与されません。履修取下げ申請をする前に、「修了証」が授与される規定単位数を満たしているか十分に確認してください。履修登録期間後は追加履修登録が不可能なので、注意してください。
3. 名古屋大学に直接授業料を納める学生にあつては、いかなる理由があつても既に納入した授業料を返還することはできません。授業料納入後に履修を取消した場合には、授業料は返還されないため、注意してください。
授業料の支払期限:2017年4月27日(木)

Courses in the Japanese Language

Japanese Language Programmes

UWJLP Co-ordinator: ISHIZAKI Toshiko (ishizaki@ice.nagoya-u.ac.jp)
Place: Asian Legal Exchange Plaza (ALEP)/Int'l Education & Exchange Ctr

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*, Academic Japanese, and Business 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 ILC, Nagoya University

Courses in the Japanese Language

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 ILC, 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 ILC, 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 (SJ101) and Elementary Japanese II (SJ102), 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

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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 & G)			SJ200(R)	SJ200(L)	To Be Announced
Intermediate I	SJ201 (C1 & C2)	SJ201(G)	SJ201(R)	SJ201(L)	『名古屋大学日本語コース中級I』	
Intermediate II	SJ202 (C1 & C2)	SJ202(G)	SJ202(R)	SJ202(L)	『名古屋大学日本語コース中級II』	
Pre-Advanced	SJ300(C1)	SJ300(C2)	SJ300(G)	SJ300(R)	SJ300(L)	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 (IJ111) (covering elementary levels I and II) and Elementary Japanese II (IJ112) (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. 10 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			<i>A Course in Modern Japanese Vol. 2</i>
Pre-intermediate		IJ112	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)		『名古屋大学日本語コース中級I』
Intermediate II									『名古屋大学日本語コース中級II』

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

3. 漢字<Kanji>1000

Co-ordinator: KUNO Itsuko

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Class: Wednesdays, 13:00~14:30
Place: International Education & Exchange Centre, Rm 207

This class is aimed at students who have mastered approximately 300 *kanji*, and concentrates on the 1000 *kanji* covered at level 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』

4. Academic Japanese (Listening and Presentation) II <G30>

Co-ordinator: HAJIKANO Are
Class: Tuesdays, 18:15~19:45
Place: International Education & Exchange Centre, Rm 301

In this course, students will acquire listening comprehension skills for longer audio segments, and make simple academic presentations. Class materials are designed for higher-level intermediate students.

Course material: To be introduced in class

Assessment criteria: Attendance: 30%, participation: 30%, mid-term: 20%, final examination: 20%

5. Academic Japanese (Reading and Writing) II <G30>

Co-ordinator: MATSUO Noriaki
Class: Wednesdays, 18:15~19:45
Place: International Education & Exchange Centre, Rm 301

In this course, students will acquire fundamental reading and composition skills to read and write analytical texts. The course aims to develop skills to comprehend and compose longer texts, while at the same time covering intermediate-level vocabulary, grammar, and Japanese characters. Class materials are designed for higher-level intermediate students.

Course material: 『大学・大学院 留学生の日本語①読解編』アルク

『大学・大学院 留学生の日本語②作文編』アルク

Assessment criteria: Attendance: 20%, participation: 20%, compositions: 20%, examination: 20%

6. Academic Japanese (Listening and Presentation) IV <G30>

Co-ordinator: KATO Jun
Class: Tuesdays, 18:15~19:45
Place: International Education & Exchange Centre, Rm 207

In this course, students will acquire the skills to make academic presentations related to their research and formulate appropriate questions and answers regarding specific presentations. Class materials are designed for advanced students.

Course material: 『アカデミック・スキルを身につける 聴解・発表ワークブック』スリーエーネットワーク

Assessment criteria: Participation: 30%, mid-term quiz: 20%, presentation: 30%, final examination: 20%

7. Academic Japanese (Reading and Writing) IV <G30>

Co-ordinator: KATO Jun
Class: Wednesdays, 18:15~19:45
Place: International Education & Exchange Centre, Rm 207

In this course, students will acquire fundamental skills to read academic dissertations and articles, as well as write reports and dissertations related to their research. At the end of the semester, students will write

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a longer report on a topic of interest. Class materials are designed for advanced students.

Course material: 『大学・大学院 留学生の日本語③論文読解編』アルク
『大学・大学院 留学生の日本語④論文作成編』アルク

Assessment criteria: Participation: 30%, mid-term quiz: 20%, final examination: 20%, thesis: 30%

8. Academic Japanese (Reading and Writing) V (漢字<Kanji>2000) <G30>

Co-ordinator: Tokuhiko Yasuyo
Class: Mondays, 14:45~16:15
Place: International Education & Exchange Centre, Rm 308

Prerequisite: Participants should already know approximately 800 *kanji*.

In this course, participants learn about 2000 *kanji* and *kanji* words which are listed by frequency. Students are required to take a *kanji* test in every lesson (240-640 words with 80 *kanji*) in order to increase their *kanji* vocabulary. *Kanji* tests comprise of both reading and writing tests, of which the reading test is obligatory. After the *kanji* test, various topics about *kanji* (rules of Japanese *kanji* pronunciation, *kanji* transitive/intransitive verbs, passive/causative forms, etc.) are lectured on.

Evaluation:

Attendance: 30%, participation: 20%, *kanji* tests: 50%

Textbook:

『日本語学習のためのよく使う順 漢字2200』三省堂2,500円+税

9. Business Japanese II (G30)

Co-ordinator: KATO Jun
Class: Thursdays, 18:15~19:45
Place: International Education & Exchange Centre, Rm 207

In this course, students will learn Japanese expressions considered essential knowledge for business people in Japan. Based on various themes, students will develop the communication styles and expressions required in Japanese business settings. The course also covers fundamental business vocabulary. Class materials are designed for higher-level intermediate students.

Course material: 『新装版 ビジネスのための日本語』スリーエーネットワーク

Assessment criteria: Participation: 30%, mid-term quiz: 20%, presentation: 20%, final examination: 20%

10. Business Japanese IV (G30)

Co-ordinator: YASUI Akemi
Class: Thursdays, 18:15~19:45
Place: International Education & Exchange Centre, Rm 308

In this course, students will learn Japanese expressions required for job hunting, as well as cultural elements inherent in Japanese business practices with the aim of preparing them to function independently within Japanese society. Students will practice how to take interviews and make presentations, focusing on business Japanese deemed useful in actual business situations.

Course material: 『新装版 商談のための日本語』スリーエーネットワーク

Assessment Criteria: Participation: 30%, quizzes: 15%, mid-term examination: 20%, presentation: 15%, final examination: 20%

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

NB. The following courses are taught in Japanese and require at least level N2 of the Japanese

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Language Proficiency Test (JLPT) or equivalent.

1. 日本文化論Ⅱ (Introduction to Japanese Society & Culture II)

Co-ordinator: UKIBA Masachika
Class: Thursdays, 14:45~16:15
Place: International Education & Exchange Centre, Rm 207

日本人にとって、韓国は「似ている」ようでどこかが「違う」、ちょっと気になる国である。この講義では、日本人が韓国の社会や文化のどこに違和感や共感を抱くのかを吟味し、韓国という<鏡>に映った日本人の自画像を議論していく。韓国を比較の対象とすることで、日本を東アジア文化圏のなかに位置付ける、広い視野を獲得するのがこの授業のねらいである。

Topics to be covered:

1. 日本人の韓国体験記を読む
2. 激しい受験戦争と母の祈り
3. 現代に生きる儒教精神
4. 日本の祭り、韓国の祭り
5. 在日コリアンと日本社会
6. 朝鮮学校の歴史と現在
7. 韓流と「嫌韓流」、在特会、ヘイトスピーチ

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%

2. 日本語学・日本語教育学Ⅱ (Introduction to Japanese Linguistics II)

Co-ordinator: LEE Tack Ung
Class: Mondays, 14:45~16:15
Place: International Education & Exchange Centre, Rm 207

本講義では、日本語教育で主に問題となる文法項目を取りあげ、整理・検討することによって、文法の基本的知識を身に付けることを目標とする。毎回、簡単な課題を取りあげ、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。

また、本講義では日本語教育の基礎的知識を身に付けることももう一つの目標としている。日本語教育の現状を概観し、コース・デザイン、教材、4技能の指導法、誤用分析などを紹介する予定である。

Topics to be covered:

I 日本語学(前半)

1. テンス・アスペクト
2. モダリティ
3. 待遇表現

II 日本語教育学(後半)

1. 4技能(話す、聞く、読む、書く)の指導法について
2. 誤用分析

Reference Materials:

ハンドアウトを配付する。

Courses in the Japanese Language

Evaluation:

1. 授業への参加度(授業態度) 30%
2. テスト 70%

3. 言語学入門Ⅱ (Introduction to Linguistics II)

Co-ordinator: MOMIYAMA Yosuke
Class: Fridays, 14:45~16:15
Place: International Education & Exchange Centre, Rm 308

言語学の一分野である意味論について学ぶ。意味研究の重要性、言語の意味に対する考え方、意味分析の資料などの基本的な事柄について理解したうえで、特に現代日本語を素材として、類義表現・多義表現などの分析方法を学び、自ら分析できるようになることを目指す。認知意味論の基本的な考え方についても解説する。

Reference Materials:

ハンドアウトを配布する

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

4. 日本文学Ⅱ (Japanese Literature II)

Co-ordinator: TOKUHIRO Yasuyo
Class: Thursdays, 16:30~18:00
Place: International Education & Exchange Centre, Rm 207

日本の詩歌について時代を追って鑑賞します。日本文学Ⅱでは、明治時代から現代までの詩・短歌・俳句・J-POPの歌詞などをとりあげます。

Topics to be covered:

- 1 日本の詩歌について
- 2 明治・大正の詩 中原中也・萩原朔太郎・北原白秋他
- 3 明治・大正の短歌 斎藤茂吉・石川啄木・与謝野晶子他
- 4 明治・大正の俳句 正岡子規・高浜虚子・種田山頭火他
- 5 昭和以降の詩 金子光晴・石原吉郎・「荒地」の詩人
- 6 昭和以降の短歌 塚本邦雄・寺山修司・俵万智他
- 7 昭和以降の俳句 金子兜太・高屋窓秋・正木ゆう子他
- 8 詩のレトリック
- 9 現代の詩歌 1 谷川俊太郎・川崎洋・長田弘他
- 10 現代の詩歌 2 新川和江・吉原幸子・茨木のり子他
- 11 現代の詩歌 3 同時代の人々の詩
- 12 JPOPの歌詞 1
- 13 JPOPの歌詞 2
- 14 テスト(時間内に作文)

Reference Materials:

ハンドアウト随時配布

Evaluation:

- | | |
|--------|-----|
| 出席 | 20% |
| 授業内提出物 | 60% |
| テスト | 20% |

International Education & Exchange Centre

1. Contemporary Japanese Society

Co-ordinator: NOMIZU Tsutomu
 Class: Fridays, 14:45~16:15
 Place: International Education & Exchange Centre, Room 207

This course, taking the form of lectures and discussion classes, aims to introduce students to the main features of contemporary Japanese society. Areas of focus include aspects of Japanese law, economy, education, modernisation and the environment.

Topics to be covered (tentative):

Apr 14	Course Introduction	(NOMIZU Tsutomu, IEEC)
Apr 21	The Japanese Education System: Examination Hell in Japan	(FURUYA Reiko, Engineering)
Apr 28	The Japanese Supreme Court	(Frank BENNETT, Law)
May 5	<i>National Holiday (no class)</i>	
May 12	Styles of Reasoning and Socialisation in Japan: Comparisons with the US and France	(WATANABE Masako, Edu.)
May 19	Earthquakes and Seismic Risk in Japan	(Simon WALLIS, GSES)
May 26	Current Situation of the Japanese Economy: <i>Abenomics</i>	(SANO Yoshio, Economics)
Jun 2	Japanese Animation	(WAKUI Takashi, Humanities)
Jun 9	Modernisation in Meiji Japan: Field trip to Meiji-mura	(NUPACE Office, IEEC)
Jun 16	Development Issues in Okinawa and the Japanese Economy	(UMEMURA Tetsuo, GSID)
Jun 23	Contradictions over Nuclear Non-proliferation – Overview from “Hiroshima and Nagasaki” Perspectives	(TOMIOKA Ryoko, GSES)
Jun 30	Nationalism in Japan	(Matthew LINLEY, IEEC)
Jul 7	Appreciating Japanese Arts and Books around the World	(Michelle KUHN, Informatics)
Jul 14	Cross-cultural Exchange in Japan	(TAKAI Jiro, Education)
Jul 21	Atomic Energy Development and Environmental Problems	(NOMIZU Tsutomu, IEEC)

Reference Materials:

Reference and reading materials for each class will be made available to students one week in advance (to be collected at the NUPACE Office). Students should ensure that they read the assigned materials prior to attending class.

Evaluation:

Attendance & Participation:	25%	
Written Reports:	75%	(25% x 3)

Students are required to write three reports, ensuring that they **attach bibliographies of reference materials referred to**. Each report's length should be at least 1,500 words (approximately four sides of A4-size paper), exclusive of foot/endnotes and bibliography. The first of the reports should deal with **one** of the topics covered in weeks 2~5 of the course (submission deadline: May 26, 2017); the second with a topic covered in weeks 6~10 (submission deadline: June 30, 2017), and the third report with a topic covered in weeks 11~14 (submission deadline: July 28, 2017). Students should submit their reports in Microsoft Word or PDF format to nomizu@iee.nagoya-u.ac.jp, indicating the **name of the instructor** to whom they are addressed.

2. Introduction to Intercultural Competence

Co-ordinator: KUSUMOTO Keiko (kusumoto@iee.nagoya-u.ac.jp)
 Class: Tuesdays, 14:45~16:15
 Place: Asian Legal Exchange Plaza (ALEP), Japanese Language Seminar Room 1

This course attempts to, 1) introduce the fundamental concepts and models related to Intercultural

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Competence (IC) and, 2) provide the necessary tools to develop students' IC, which may be applied in diverse practical settings. In the first part of the course, students will learn the fundamental concepts and models related to IC. In the second part, the main focus will be on developing these.

Topics to be covered (tentative):

- W1: Introduction
- W2: Definition of IC, its components and related models
- W3: Concepts 1: Culture
- W4: Concepts 2: Language and Identity (DVD)
- W5: Concepts 3: Prejudice, Stereotypes and Generalisation
- W6: Concepts 4: Ethnocentrism & Cultural Relativism
- W7: Developing IC (Knowledge)
- W8: No class (instructor's business trip). Instead, a task will be assigned.
- W9: Developing IC (Attitude)
- W10: Developing IC (Attitude)
- W11: Developing IC (Awareness)
- W12: Developing IC (Skills)
- W13: Developing IC (Skills)
- W14: Presentations
- W15: Presentations/Final report and journal submission

Reference Materials:

There is no required textbook; instead, materials will be provided in each class. A reference list of reading materials will be provided during the first class.

Evaluation:

Final report 40%, Journal 30%, Presentation 20%, Participation 10%

*Course withdrawal system applies

Notes:

- Class: This is a class shared with Japanese students. Students are encouraged to conduct presentations and discussions in mixed-groups.
- Journal (diary): After every class, students will be asked to write a brief 'journal' (or diary). Details will be given in class.
- Presentations: Students will be asked to give group presentations of approximately 20-25 minutes.

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 May 24 to July 12 (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
- Capacity: 4~6 Students

Prerequisites: Native English-speaker or TOEFL iBT 100, or equivalent.

Students interested in registering for this course should contact Claudia Ishikawa at k46189a@cc.nagoya-u.ac.jp or in IEEC Rm. 205 by Wednesday, April 12, briefly outlining your reasons for wishing to take the class.

This course involves teaching English to, and developing a rapport/playing with approximately fifteen to 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

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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, April 19, in IEEC Room 201, 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: Friday, May 12, 2017.)
2. Final Report: 80% (4~6 sides of A4-sized paper; submission deadline: Wednesday, July 19, 2017.)

(Graduate) School of Economics

1. Introduction to Global Management

Co-ordinator: SANO Yoshio
Class: Wednesdays, 16:30~18:00
Place: School of Economics, Lecture Room 3

This workshop overviews the current global economy and various global management issues, such as corporate management, global human resources management and global trade, and environmental issues. By inviting guest speakers from several global companies, we will review the hands-on activities of those companies in the global economy. By reviewing Japanese economic history, we will try to understand the essential conditions for economic development and globalisation. This class aims to foster the ability of voluntary exploration through discussion and individual/group project presentations.

Topics to be covered:

Apr 12	Introduction	Y. Sano
Apr 19	Cross Cultural Management	Y. Sano
Apr 26	Business in Global Environment	Y. Sano
May 10	Business in Global Environment 2	Y. Sano
May 18	(Thu) 3rd Period Management in Global Environment 1	Guest Lecturer
May 24	Management in Global Environment 2	Guest Lecturer
May 31	Management in Global Environment 3	Guest Lecturer
Jun 7	Business in Global Environment 4	Y. Sano
Jun 14	Management in Global Environment 4	Y. Sano
Jun 28	Management in Global Environment 5	Y. Sano
Jul 5	Off-site Activity (Factory Visit)	
Jul 12	Individual and Group Presentations 1	
Jul 19	Individual and Group Presentations 2	
	Off-site activity (Company visit)	TBA

Reference Materials:

F. Trompenaars, C.Hampden-Turner. *Riding the Waves of Culture*, McGraw-Hill.
Kouzes, Posner. *The Leadership Challenge*, Wiley
A textbook will not be used. Instead, PPT handouts will be distributed.

Evaluation:

Class attendance (40%), Contribution to class discussion (20%), reports (20%), group or individual project presentation (20%).

*NB. Course withdrawal system is not used.

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2. Japanese Human Resources Management

Co-ordinator: SANO Yoshio
Class: Mondays, 14:45~16:15
Place: School of Economics, Lecture Room 3

This class looks at how Japanese companies are managed from a human resources perspective. We will introduce Japanese business ethics and several successful businessmen. We will also look at “leadership” manifested in Japanese companies. Case studies are used. A more detailed syllabus will be distributed in the introductory session. Active participation is required. We will organise group discussions, group study and group presentations at the end of the semester. This lecture aims to foster the ability of voluntary exploration through group discussions and presentations.

Topics to be covered:

Apr 17	Introduction	Y. Sano
Apr 24	Outlook of Human Resources Management	Y. Sano
May 1	Corporate Strategy & Human Resources Management	Y. Sano
May 8	Case Study of Japanese Human Resources Management (1) analysis	Y. Sano
May 18	(Thu) 3rd Period Management in Global Environment 1	Guest Lecturer
May 22	Case Study of Japanese Human Resources Management (2) summary	Y. Sano
May 29	Case Study of Japanese Human Resources Management (2) analysis	Y. Sano
Jun 5	Case Study of Japanese Human Resources Management (3) analysis	Y. Sano
Jun 12	Case Study of Japanese Human Resources Management (3) analysis	Y. Sano
Jun 19	Case Study of Japanese Human Resources Management (3) summary	Y. Sano
Jun 26	Management in Global Environment 2	Guest Lecturer
Jul 5	(Wed) Off-site Activity (Factory Visit)	
Jul 10	Individual and Group Presentations (1)	
Jul 24	Individual and Group Presentations (2)	

Reference Materials:

A print-out will be distributed in the first class. Thereafter students are required to download and print materials and case studies by themselves.

Evaluation:

Class attendance (30%), Contribution to class discussion (20%), reports (20%), group or individual project presentation (30%).

*NB. Course withdrawal system is not used.

(Graduate) School of Education

Intercultural Training Methods

Co-ordinator: TAKAI Jiro
Class: Tuesdays, 10:30~12:00
Place: School of Education, Lecture Room 2

This course aims to introduce students to intercultural education and training, covering background theories, practical methods, ethics, and evaluation. As part of human resources development (HRD), intercultural education and training equips personnel with cognitive, affective, and behavioural skills to deal with cross-cultural interaction. We will look at cross-cultural theories that identify difficulty in communication between cultures, and then discuss what content and method would be most effective in training people to deal with such difficulty. Students will work in teams to design and apply their own training exercises on each other, and discuss how their methods were effective or not. They will get hand on experience at practising intercultural training methods, including role plays, simulations, and group discussions, hence this course is practical in nature, and requires full participation. Finally,

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students will learn how to evaluate and analyse the effects of training program. The goal of the course is to have students personally experience intercultural training, and have them judge for themselves whether they are effective tools for HRD.

Topics to be covered:

1. Introduction and orientation, Intercultural education and training
2. Culture
3. Stereotypes, prejudice, and discrimination
4. Theories of cross-cultural contact
5. Intercultural communication
6. Intercultural competence
7. Intercultural training methods: Overview
8. Intercultural training methods: Cognitive learning
9. Intercultural training methods: Cognitive learning
10. Intercultural training methods: Affective learning
11. Intercultural training methods: Behavioral learning
12. Intercultural training methods: Behavioral learning
13. Intercultural training methods: Ethics
14. Intercultural training methods: Evaluation
15. Summary and synthesis

Reference Materials:

To be distributed in class.

Evaluation:

Presentation: 50%
Final Examination 50%

(Graduate) School of Engineering

1. Introduction to Applied Physics, Materials & Energy Engineering

Co-ordinator: KOYAMA Toshiyuki (koyama@numse.nagoya-u.ac.jp; tel: 789-3613)
Class: Tuesdays, 14:45~16:15
Place: IB Building, Room 014

This course discusses the fundamentals of applied physics, materials science & processing engineering, and quantum energy engineering. Topics to be analysed include superconductivity, magnetism, semiconductors, fundamentals and applications of ceramics and metals (steel structures, car bodies, etc.), global environment and energy issues, and an introduction to nuclear fusion and quantum energy utilisation.

Topics to be covered:

1. Introduction to nuclear fusion I (Byron PETERSON)
2. Introduction to nuclear fusion II (Byron PETERSON)
3. Introduction to nuclear fusion III (Byron PETERSON)
4. Visit to Nuclear Fusion Research Centre (Byron PETERSON)
5. Introduction to superconductivity (KASHIWAYA Hiromi)
6. Introduction to quantum computers (TANAKA Hirotaka)
7. Introduction to magnetism (KUSAKABE Koichi)
8. Nature inspired materials I: Snail shell and building materials (ISU Norifumi)
9. Nature inspired materials II: Visit to sanitary ware factory (ISU Norifumi)
10. Fundamentals of ceramics and applications I (SASAKI Tsuyoshi)
11. Fundamentals of ceramics and applications II (SASAKI Tsuyoshi)
12. Global environmental and energy issues I (URASHIMA Kuniko)

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13. Global environmental and energy issues II (URASHIMA Kuniko)

Reference Materials:

Shackelford, James F., *Introduction to Materials Science for Engineers*, Prentice Hall, Upper Saddle River, New Jersey, USA

Evaluation:

Evaluation will be based on written reports to be submitted at each lecture.

2. Introduction to Chemical & Biological Industries

Co-ordinator: TAKEOKA Yukikazu (ytakeoka@apchem.nagoya-u.ac.jp; tel: 789-4670)
Class: Wednesdays, 13:00~14:30
Place: School of Engineering, Building 1, Room 143

This course introduces the current state and future prospects of R&D and production activities in Japan's chemical and biological industries. The industries' relationship with human society, involvement in environmental and energy issues, and role in the global society will also be discussed.

Topics to be covered:

Apr 12 Guidance (TAKEOKA Yukikazu, Co-ordinator)

A. Energy, Natural Resources, and Environmental Issues in Industrial Activities

Apr 19 MATSUOKA Akira, Kobe Steel, Ltd.
Apr 26 SURUBU Naganjaneyulu, Sumitomo Chemical Co., Ltd.
May 10 SHIMADA Kaoru, RaQualia Pharma Inc.
May 17 SHIMADA Kaoru, RaQualia Pharma Inc.

These lectures will introduce some of the main resources required for industrial activities and commercial products, starting with minerals and energy resources and progressing along the supply chain. They will also examine some of the key environmental impacts, and the theory of sustainability.

B. R&D Process in Biotechnology Companies (KYO Motoki, Toyobo Co. Ltd.)

May 24/May 31/ Jun 7/ Jun 14

These lectures introduce stages of development from planning to producing/sales in biotechnology products. Overviews of patents strategies toward profitable business will be discussed through case studies.

C. Process Engineering of Advanced Ceramics

(ZHOU You, National Institute of Advanced Industrial Science & Tech. <AIST>)

Jun 21/ Jun 28/ Jul 5/ Jul 12

These lectures firstly review the basic functions and main applications of advanced ceramic materials in modern industry. Following that, some major technologies of fabricating advanced ceramics such as forming and sintering technologies will be introduced.

Evaluation:

Active participation and report

3. Introduction to Production Engineering

Co-ordinator: MIZUNO Koji (kmizuno@mech.nagoya-u.ac.jp; tel: 789-2720)
Class: Wednesdays, 14:45~16:15
Place: School of Engineering, Building 2, Room 222

Lecturers invited from leading Japanese industries will provide an insight to the current status of production engineering in Japan. The maximum number of students is limited to thirty, with international students having first priority. Regular attendance, as well as the submission of several

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assignments, is required.

Topics to be covered:

1. Manufacturing Automation (SUZUKI, Norikazu, School of Engineering)

Apr 19 Fundamentals of manufacturing technology

Apr 26 Advanced machining technologies and machine tools

2. Production Engineering in the Pump Industry (Ebara Corporation)

May 24 Introduction to technology for pumps

May 31 Production system for pumps

3. Production Engineering in the Aerospace Industry (Mitsubishi Heavy Industries, Ltd.)

Jun 7 Introduction to the Aerospace Industry and Parts Production

Jun 14 Parts Fabrication Processes

4. DENSO Manufacturing for Automotive Parts (Denso Corporation)

Jun 21 Production Systems for Automotive Parts

Jun 28 Activities and Management Systems for Quality Enhancement

5. Nano-technology in Hard Disk Drives (Nakanishi)

Jul 5 Introduction to Magnetic Recording Technology

Jul 12 Nano-technology and Tribology

Reference Materials:

Handouts will be distributed.

Evaluation:

Active participation and report.

Graduate School of Environmental Studies (GSES)

1. Advanced Architectural and Urban Planning Workshop 1

Co-ordinators: MIWAYAKI Masaru (masaru.miyawaki@outlook.com)/TAKATORI Chika

Class: Tuesdays, 13:00~16:15

Place: Engineering and Science Building, Room 408 and Studio for Graduate Students (Room 435)

The goal of this course is to master procedures and techniques of survey/analysis, concept-making, the drafting of a district plan, architectural planning/design and presentation, and the ability of project planning and management through a series of actual works related to architectural and urban design.

Topics to be covered:

1. Introduction: Project description, lecture, preparation for field survey
2. Understanding the characteristics, conditions and issues of the district, and selecting the theme and planning/design area
3. Development of the district master plan (survey and analysis in urban, district, block, architectural levels, concept-making, planning and design)
4. Planning and designing architecture
5. Preparing presentation panels, model and movie
6. Public presentation

Reference Materials:

Sustainable Site Design 100 Cases: Acupuncture of Sustainable Urban Regeneration, Process of Machizukuri Design, Architectural Design Reference Book, Machizukuri Textbook (Vol. 1: Machizukuri Methodology), Zoukei, etc.

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Evaluation:

Grading will be based on required outputs (drawings and models) and process. Presentation of each stage: 30%, weekly esquisse: 20%, final outputs and presentation: 50%.

2. Advanced Architectural and Urban Planning Workshop 2

Co-ordinators: KOMATSU Hisashi (c42719a@cc.nagoya-u.a.jp)/
MIWAYAKI Masaru (murayama.akito@a.nagoya-u.jp)/TAKATORI Chika
Class: Fridays, 13:00~16:15
Place: Engineering and Science Building, Room 408 and Studio for Graduate Students
(Room 435)

The goal of this course is to master procedures and techniques of survey/analysis, concept-making, the drafting of a district plan, architectural planning/design and presentation, and the ability of project planning and management through a series of actual works related to architectural and urban design.

Topics to be covered:

1. Introduction: Project description, lecture, preparation for field survey
2. Understanding the characteristics, conditions and issues of the district, and considering architectural concepts for solving the issues and creating “attractiveness”
3. Planning and designing architecture and open spaces in detail
4. Preparing presentation panels, model and movie
5. Public presentation

Reference Materials:

Sustainable Site Design 100 Cases: Acupuncture of Sustainable Urban Regeneration, Process of Machizukuri Design,
Architectural Design Reference Book, Machizukuri Textbook (Vol. 1: Machizukuri Methodology),
Zoukei, etc.

Evaluation:

Grading will be based on required outputs (drawings and models) and process. Presentation of each stage: 30%, weekly esquisse: 20%, final outputs and presentation: 50%.

3. Environmental Systems Analysis and Planning

Co-ordinators: TANIKAWA Hiroki (tanikawa@nagoya-u.jp)/FUJITA Tsuyoshi/FUJII Minoru
Class: Tuesdays, 10:30~12:00
Place: Environmental Studies Hall, Lecture Room 3

Goal & Contents:

- To understand “environmental systems”, i.e., the interaction of human activities and nature
- To learn the scientific mechanisms of global environmental problems, such as climatic change
- To learn the basic principles and methods of analysing environmental systems, e.g., environmental economics, mathematical models, life-cycle assessment, etc.
- To learn the principles and methods of environmental management on local, national and global scales

Topics to be covered:

1. Environmental Systems: Natural Resources and Human Activities
2. Circulation and Transformation of Water, Air, Energy and Materials
3. Environmental Space and Carrying Capacity of the Earth
4. Global Climate Issues

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5. Mathematics: Modelling of Climate Change
6. Environmental Resource Economics
7. Mathematics: Lotka-Volterra's Equations
8. Sustainable Development
9. Environmental Indicators and Environmental Resource Accounting
10. Life Cycle Assessment
11. Urban Climate System

Reference Materials:

Refer to course website at <http://sites.google.com/site/ensap758/>

Evaluation:

Attendance to each class is a prerequisite
Reports on 5~6 subjects 100%

4. Field Seminar on Environmental Studies

Co-ordinator: YAMAGUCHI Yasushi (yasushi@nagoya-u.jp)
Class: Wednesdays, 16:30~18:00 (x 3); Full-day Outdoor Field Seminars (x 3)
Capacity: A maximum of three NUPACE students
Place: Environmental Studies Hall, Lecture Room 1

NB. Guidance/discussion sessions are held three times on Wednesday afternoon, and will be followed by full-day, outdoor field seminars, as indicated below. Students who plan to take this class must attend the first guidance at 16:30~18:00 on **April 12th**.

Prerequisites: Participants should possess a good Japanese comprehension level.

The goal of this seminar is to understand environmental problems and natural disasters by visiting outdoor areas where these problems actually occur. The course also aims to teach of field survey methodologies.

Topics to be covered:

Observations and discussions will be conducted in the outdoor fields on a variety of topics on environmental studies such as interaction between human activities and environments. The areas of interest to be visited are:

- (1) Western part of Noubi Plain including Fujimae mud flat, Nagaragawa river mouth dam and the delta areas (Sunday, May 28; pre-visit discussion to be held on Wednesday, May 17 or 24).
- (2) Central part of Nagoya to discuss the relationship between the natural environment and infrastructures, and to actually measure aerosol particles concentrations to understand the atmospheric environment (Saturday, June 10 or Sunday, June 11; pre-visit discussion to be held from 17:00 on Wednesday, May 31).

(3) Sustainable Community Development

This field research aims to understand the current situation and dynamism of local communities. Research areas are as follow: First, a newly developing housing area in Nagakute city. Second, a depopulated industrial area in a southern district of Nagoya city. We will visit these areas and have discussions with public officials and local residents. By conducting the research, students will acquire a comparative understanding of contemporary communities and will make a proposal for better community development. (Monday, July 3; pre-visit discussion to be held on Wednesday, June 28).

Textbook:

To be announced at the guidance session.

Evaluation:

Active participation in each seminar 45%

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Reports prior to field seminars	25%
Reports on field seminars	30%

5. International Environmental Law

Co-ordinator:	TAKAMURA Yukari (takamura.yukari@g.mbox.nagoya-u.ac.jp)
Class:	Wednesdays, 10:30~12:00
Place:	Graduate School of Informatics, Lecture Room 4

International environmental law (IEL), an evolving branch of international law aimed at protecting the environment, has been providing a legal framework for international environmental co-operation. The class aims at deepening understanding of basic concepts and principles, features of IEL in a comprehensive manner, as well as various contemporary and cross-cutting issues, such as trade and the environment, and human rights and the environment, with view to exploring a possible solution in a practical and creative manner.

Topics to be covered:

1. IEL and its Historical Development
2. Key Concepts of IEL
3. Law making of IEL
4. Ensuring Compliance with IEL
5. Key Issues in Current IE
6. Relationship between IEL and Other Areas of International Law.

Textbook:

U. Beyerlin and T. Marauhn (2011). *International Environmental Law*, Hart Pub.

Reference Materials:

P. Birnie, A. Boyle and C. Redgwell (2009). *International Law & the Environment*, Third edition, Oxford University Press.

Evaluation:

Class participation (50%) and final report (50%).

6. Low Carbon Cities Studies

Co-ordinators:	TANIKAWA Hiroki (tanikawa@nagoya-u.ac.jp)/Heinz SCHANDL/ FUJITA Tsuyoshi/FUJII Minoru
Class:	Wednesdays, 10:30~12:00
Place:	Environmental Studies Hall, Lecture Room 2

To learn policies, plans and technological and institutional measures to realise low carbon cities with a view to integrating climatic change mitigation in urban development. Students are recommended to have taken (be taking) the lecture *Environmental Systems Analysis and Planning*.

Topics to be covered:

1. Global Climatic System
2. Mechanisms of Global Warming
3. Climatic Change and Human History
4. Economy, Energy and Environment
5. Urban Environmental Management and Planning
6. Human Activities and Energy in Cities
7. Urban Forms, Land Use and Energy
8. Transportation and Energy
9. Urban Squares, Buildings and Energy
10. Urban Heat Island Phenomena

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11. Lifestyles and Energy
12. Urban Environmental Simulators

Textbook:

TBA

Reference Materials:

TBA

Evaluation:

Set problems in class 50%
Reports 50%

(Graduate) School of Humanities

1. North American Cultural Studies a: Multiculturalism in Canada

Co-ordinator: Christopher J. Armstrong
Class: Tuesdays, 10:30~12:00
Place: Integrated Research Building (IRB), Humanities & Soc. Sciences, Room 623

This course is designed to develop students' academic writing, discussion and presentations skills through an exploration of contemporary Canadian cultures. In particular, the course aims to prepare students for the writing and presentation of short academic essays in the humanities and social sciences. Taking Canada's official multiculturalism as a starting point, we shall discuss issues connected to historiography, national identity, multiculturalism, and issues of representation in contemporary media and cultural texts, including literature, film, and television. Course themes include aboriginal-Euro-Canadian relations, French-English relations, immigration in the twentieth century, English-Canadian identity, and multiculturalism as ideology, policy, and practice.

Reference Materials:

A list of readings and research resources will be distributed after consultation with students. All reading materials will be provided by the instructor. Students may consult the course homepage <https://multcan.wordpress.com/> for further details and a list of online and print resources.

Evaluation:

Participation and preparation: 30%
Presentations, writing activities and research essay: 70%

2. Pragmatics of Verbal Expression a: Reading and discussing essays about translation

Co-ordinator: NAGAHATA Akitoshi
Class: Thursdays, 16:30~18:00
Place: Integrated Research Building (IRB), Humanities & Soc. Sciences, Room 623

In this course, participants will read essays about translation and learn how to discuss translation. Every week, participants will be assigned an article about translation, and one of them will be selected as the designated commentator for the week. He or she will write a position paper about the assigned article and post it to the class mailing list one day before the meeting of the class. The other participants will come to the classroom, having read the assigned text and the position paper. In the class the designated commentator will introduce the author of the article, give a summary of the article and by presenting his/her position orally, start a discussion about the article.

The articles to be discussed will be announced at the first meeting of the class. They will be mainly those

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collected in Lawrence Venuti, ed., *The Translation Studies Reader*, 2nd edition, and Mona Baker, ed, *Critical Reader in Translation Studies*.

Reference Materials:

A list of reference texts will be provided on the class website or in the classroom.

Class HP:

<http://www.lang.nagoya-u.ac.jp/~nagahata/lectures17/translation17/translation17.html>

Evaluation:

Class participation: 10%

Oral presentations and position papers: 30%

Mid-term paper: 30%

Final paper: 30%

Graduate School of International Development (GSID)

1. Comparative and International Education (比較国際教育学)

Co-ordinators: YAMADA Shoko

Class: Thursdays, 10:30~12:00

Place: Graduate School of International Development (GSID), 5F, Seminar Rm 6 (515)

The main objective of this course is to know and discuss from various perspectives the meanings and functions of education, both for society and for individual learners. To that end, students will be exposed to research paradigms, methodologies, and issues of comparative education and relevant academic fields. While the course in the autumn semester focused on school-based education, this course will look at educational phenomena in the wider socio-economic, cultural, and political arenas. The questions to be raised include: What does it mean to educate people? And, how is this interpreted from different perspectives?

In the first few sessions, methodologies and theories will be reviewed as the basis of social analysis of education. Then, the following sessions will deal with issues regarding schooling, knowledge, and learning. There is no knowledge which is value-free; knowledge taught in official textbooks, included. Therefore, in this class, students are expected to acquire an attitude that considers the meanings of education from comparative and multiple perspectives.

Topics to be covered (tentative):

- Apr 13 Introduction
 - Structure of the course
 - Why do we conduct international educational research?
- Apr 20 Comparative education as an academic field
 - What is comparative education?
 - Ways of thinking, phenomena, and the methods to investigate
- Apr 27 Social theories and education
 - From modernisation to basic human needs and self-help
 - Education as a reproduction mechanism
 - Diploma disease
 - Hidden curriculum
 - Socialisation
- May 11 Social theories (1) Reproduction, World-system theories
- May 18 Social Theories (2) Functionalism and criticism against functionalism
- May 25 Educational Theories (1) Human Capital Theory and criticism against it
- Jun 1 Educational Theories (2): Critical Pedagogy and the theory of de-schooling

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Jun 8	Educational Theories (3) Learner-centred education – experientialism and existentialism
Jun 15	Educational Theories (4) Learner-centred education – developmental psychology
Jun 22	No class (business trip)
Jun 29	Social meanings of knowledge (1) Skills Multiple channels of acquiring skills Apprenticeship, industry, and schooling Skills for survival and skills for economic development Life skills (knowledge of environment, health/nutrition/sanitation)
Jul 6	Social meanings of knowledge (2) Literacy Literacy in which language? Literacy for income generation Literacy for empowerment Rural life, urban life, and utility of literacy
Jul 13	Presentation of term papers

Reference Materials:

To be announced.

Evaluation:

Preparation for class discussion 30%

Preparation includes (1) reading the assigned articles/book chapters; (2) submitting comment papers in response to the questions given by the instructor

Class participation 30%

In the class, the instructor will lead the discussion based on the opinions raised in students' comment papers.

Individual paper 40%

Students are assigned to write a paper on educational issues in relation to one or some of the theories learned in the class. Details will be explained later. The submission deadline of the paper is July 31, 2017.

2. International Co-operation Law (国際協力法)

Co-ordinator: YAMAGATA Hideo (yamagata@gsid.nagoya-u.ac.jp)

Class: Tuesdays, 16:30~18:00

Place: Grad. School of International Development (GSID), 6F, Lecture Room 3 (613)

NB. This course is open to graduate students in general, as well as undergraduate students of the School of Law. The same course is listed as *Professional Studies in International Law: Introduction to International Law* under the School of Law courses.

This is an introductory course for the study of international law, with the aim of imparting a basic knowledge of what international law is, and how it functions. Due to time constraints, it does not cover the entire field of international law; however, through the analysis of the ICJ judgement in the *Nicaragua case*, it will impart a basic idea. Stress will be put on the structural change of international law between its traditional and contemporary forms.

Topics to be covered:

1. What is international law?
2. State sovereignty and jurisdiction.
3. Jurisdiction to prescribe.
4. Jurisdiction to enforce.
5. Cooperation to suppress international crimes.
6. Creation of rules of international law.
7. Formation of customary international law.

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8. Legal force of customary international law.
9. Relations between treaties and customary international law.
10. Other sources of international law.
11. Principle of peaceful settlement of international disputes.
12. The World Court as a judicial organ.
13. Jurisdiction of the Court.
14. Procedures before the Court.
15. Written Examination.

Textbook:

Materials will be supplied.

Reference Materials:

Brownlie. *Principles of Public International Law*. Oxford UP

Shaw. *International Law*. Cambridge UP

Evans (ed.). *International Law*. Oxford UP

Evaluation:

Course Performance: 30%

Written Examination: 70%

3. Introduction to International Development (国際開発入門)

Co-ordinators: USAMI Koichi/ITO Sanae

Class: Wednesdays, 13:00~14:30

Place: Graduate School of International Development (GSID), 8F, Auditorium

NB. This course is open to credit-seeking NUPACE students only. Sitting-in is unacceptable.

This course introduces students to the inter-disciplinary nature of international development. It presents aspects of international development from various disciplines such as 1) economic development & management, 2) rural and regional development, 3) governance and law, 4) peace-building, 5) social development and culture, and 6) education and human resource development. Lectures are given by instructors from various academic and professional backgrounds. A detailed schedule is announced on the GSID's homepage: <http://www.gsid.nagoya-u.ac.jp/index-en.html>

Topics to be covered (tentative):

1. Review and Overview of Development Thoughts by Economists
2. Global Warming and International Co-operation
3. Governance and Law
4. Rural/Regional Development
5. Peace-building
6. International Education Development
7. Social Development and Culture

Reference Materials:

Handouts will be distributed.

Evaluation:

Class attendance and weekly comment papers.

(Graduate) School of Law

1. Comparative Studies in Constitutional Law: Outline of the Modern Constitution

Co-ordinator: OKOCHI Minori
Class: Mondays, 13:00~16:15 (every other week)
Place: School of Law, Seminar Room 905

This course is an introduction to the theory of modern constitution followed by a comparative analysis of issues in Japan and selected Asian countries.

1. Historical development of the modern Constitution
2. Basic principles of the modern governmental system and human rights
3. Constitutional issues and the theory of Constitutional law in Japan
4. Constitutional issues and the theory of Constitutional law in selected Asian countries
5. Constitutional theory for better-protected human rights and more democratic politics

Reference Materials:

Detailed summaries will be distributed at every class.

Shigenori Matsui (2011). *The Constitution of Japan*, Hart Publishing.
Rosenfeld & Sajo (eds.) (2012). *The Oxford Handbook of Comparative Constitutional Law*, Oxford University Press.

Evaluation:

Presentation	50%
Participation in class discussions	50%

2. Comparative Studies in Criminal Law: Development of National Criminal Law under the Influence of Foreign and International Law

Co-ordinator: TAKAYAMA Kanako
Class/Place: Intensive course, expected to be taught in the summer vacation.
Enquire at the School of Law section of the IRB Office for details later.

The purpose of this course is to analyse the development of national criminal law under the influence of foreign and international law. There will be particular focus on comparisons between different judicial groupings such as common law countries, countries with the European continental legal tradition, Islamic countries, etc. Participants are required to report on their country's experience and their views on desirable legislation in the future. Legal systems in general as well as specific topics in criminal law and criminal procedure will be discussed.

Topics to be covered:

1. Introduction. Purpose of the course
2. History of Japanese criminal justice system, world legal systems and cultures
3. Basic structure of Japanese criminal justice system; Basic structure of Japanese legal system for criminal matters
4. Court system and court reports; Introduction of lay-judge system (saiban-in); juvenile courts
5. Purposes and principles of criminal law: Theories on punishment; Penalties; Legality principle (*nulla poena sine lege*)
6. Structure of the general part of criminal law: Common elements of criminal offences (constituent elements of crime – Illegality and justification – Culpability and excuse); Extension of punishments (attempts-complicity)
7. Topics in the general part of criminal law: Technology and criminal law; Vagueness Doctrine; Democracy and criminal law; Substantive due process
8. Structure of the special part of criminal law: Crimes against individuals (crimes against life and body

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- crimes against liberty and fame – crimes against property); Crimes against society; Crimes against the State
9. Topics in the Special Part of Criminal Law: Public morals and criminal law in Japan; Regulations relating to the family; protection of children; Freedom of speech
 10. Business activities and crime: Corruption; Criminal responsibility of legal persons; Protection of intellectual property; Cyber-crime; Anti-monopoly law
 11. Future of Japanese criminal law: Recent reforms; International Criminal law and Japan
 12. Criminal law in Southeast Asian countries: Presentations
 13. Criminal law in Central and East Asian countries: Presentations
 14. Closing discussion

Reference Materials:

Handouts will be distributed at the beginning of the course.

Oda, Hiroshi (2009). *Japanese Law, 3rd edition*. University of Oxford Press. ISBN 9780199232185

Dando, Shigemitsu (1997). *The Criminal Law of Japan: The general part*. F. B. Rotham.

Goodman, Carl F. (2012). *The Rule of Law in Japan, A Comparative Analysis*, 3rd ed.

Evaluation:

Participation

Presentation on the participant's national criminal legal system

3. Comparative Studies in Jurisprudence: The Law and Its Personnel

Co-ordinator: MORIGIWA Yasutomo

Class: Tuesdays, 13:00~16:15

This class starts on April 18th, with the second class being held on April 25th. The ensuing schedule will be determined thereafter.

Place: School of Law, Seminar Room 905

What is the most difficult aspect of setting up a legal system? Legislation, funding, or provision of facilities? Each of these stages does have its problems, but the training of personnel probably presents the greatest hurdle. Technical, legal and moral competence is required for those who man and run the legal system. How can legal education provide such qualities to its trainees? Discussion and interviews are conducted on this question following intensive reading of literature on the subject. The course will be taught in English. International and Japanese students are welcome.

Evaluation:

Class participation 30%

Short essays 30%

Oral presentation 15%

Final essay 25%

4. Professional Studies in International Law: Introduction to International Law

Co-ordinator: YAMAGATA Hideo

Class: Tuesdays, 16:30~18:00

Place: Grad. School of International Development (GSID), 6F, Lecture Room 3 (613)

NB. This course is open to graduate students in general, as well as undergraduate students of the School of Law. The same course is listed as *International Cooperation Law* under the Graduate School of International Development courses.

This is an introductory course for the study of international law, with the aim of imparting a basic knowledge of what international law is, and how it functions. Due to time constraints, it does not cover

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the entire field of international law; however, through the analysis of the ICJ judgement in the *Nicaragua case*, it will impart a basic idea. Stress will be put on the structural change of international law between its traditional and contemporary forms.

Topics to be covered:

1. What is international law?
2. State sovereignty and jurisdiction.
3. Jurisdiction to prescribe.
4. Jurisdiction to enforce.
5. Cooperation to suppress international crimes.
6. Creation of rules of international law.
7. Formation of customary international law.
8. Legal force of customary international law.
9. Relations between treaties and customary international law.
10. Other sources of international law.
11. Principle of peaceful settlement of international disputes.
12. The World Court as a judicial organ.
13. Jurisdiction of the Court.
14. Procedures before the Court.
15. Written Examination.

Textbook:

Materials will be supplied.

Reference Materials:

Brownlie. *Principles of Public International Law*. Oxford UP

Shaw. *International Law*. Cambridge UP

Evans (ed.). *International Law*. Oxford UP

Evaluation:

Course Performance: 30%

Written Examination: 70%

5. Seminar on Private Int'l Law: Introduction to Int'l Commercial Arbitration

Co-ordinator: Giorgio Fabio COLOMBO

Class: Thursdays, 14:45~16:15

Place: School of Law, Seminar Room 905

Prerequisites: A basic knowledge of private international law and civil procedure is recommended.

International commercial arbitration is becoming more and more important in the field of cross-border disputed resolution. While most advanced nations already are already familiar with arbitration, there is a growing demand of expertise in this field in developing countries. The regulatory framework in the world is moving towards a "globalised" arbitration: there is widespread acceptance of international models as base for legislation (e.g., the UNCITRAL Model Law on International Commercial Arbitration) and the circulation of awards is made smoother by effective international instruments (e.g., the 1958 New York Convention of the recognition and enforcement of foreign arbitral awards). However, many countries are lagging back in term of effective appliance of those international tools: national resistances (both legislative, judicial and political) and the lack of arbitration theoretical and practical expertise among legislators, judges and professional operators is jeopardizing an effective and homogeneous success of arbitration all over the world. One tool to subvert this situation is trying to provide law students with a strong basis of notions in this field. This seminar focuses on both theoretical and practical issues in arbitration, covering a wide spectrum of subjects in order to provide a comprehensive picture of what international arbitration is.

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Aim:

The aim of the seminar is to provide students with effective knowledge of international commercial arbitration. First, a general overview of the subject will be presented, in order to allow everybody to have a common frame of reference. Then, each single phase of the procedure will be analyzed in detail, from the arbitration agreement to the recognition and enforcement of the award. To better understand the interaction between theoretical and normative framework and practical problems, students will have to read and comment also on materials taken from actual cases. After the end of the seminar, students should have acquired a good knowledge of, inter alia, the UNICTRAL Model Law, the New York Convention and the main problems and issues which are currently debated among arbitration scholars and practitioners.

Topics to be covered:

1. Introduction to the seminar
 - a. Layout of the seminar
 - b. Short explanation of the lecture plan
 - c. Introduction to the readings
 - d. Explanation about evaluation procedure
 - e. Self-introduction
 - f. Learning expectations

2. What is International Commercial Arbitration?
 - a. General definition
 - b. "International"
 - c. "Commercial"
 - d. Key elements of arbitration
 - e. Main features
 - f. Advantages and disadvantages
 - g. Arbitration and litigation
 - h. Arbitration and conciliation
 - i. Arbitration = ADR?
 - j. Sources of international commercial arbitration

(Reading: Gary B. Born, "Planning for International Dispute Resolution", in *Journal of International Arbitration*, 17, 3, 2000, pp. 61 - 72)

3. Types of Arbitration
 - a. Institutional (administered) arbitration
 - b. *Ad hoc* arbitration
 - c. Arbitration according to the law / *ex aequo et bono*
 - d. Arbitration involving States
 - e. Arbitral institutions

(Reading: Margaret Moses, "Introduction to International Commercial Arbitration", in *Loyola University Chicago School of Law, Public Law & Theory Research Paper no. 2011-27*)

4. Arbitration Agreements
 - a. Arbitration agreements and submission agreements
 - b. Requirements for validity...
 - c. ...in writing
 - d. ...existing or future disputes, in respect of a defined legal relationship
 - e. ...subject matter is capable of settlement by arbitration
 - f. Arbitrability
 - g. Separability of the clause
 - h. Multi-party arbitration
 - i. Multi-tiered and finger-point agreements
 - j. Defective clauses

(Readings: *Mitsubishi v. Soler Chrysler-Plymouth*, 473 U.S. 614 (1985); examples of defective clauses)

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5. Applicable laws

- a. Law applicable to the Arbitration agreement
- b. Law applicable to the Arbitration procedure
- c. Law applicable to the merits
- d. State law/Soft law
- e. Different approaches to applicable law

(Reading: [2004] EWCA Civ 19 *Beximco vs. Shamil*)

6. The Arbitration Tribunal and the Arbitrator

- a. Appointment of Arbitrators
- b. Qualities of the Arbitrators
- c. Validity of Special Requirements
- d. Powers of the Tribunal (incl. *Kompetenz kompetenz*)

(Reading: [2010] EWCA Civ 712 *Jivraj v Hashwani*)

7. Individual presentations by students/group presentations

8. Independence, Neutrality and Impartiality

- a. Independence
- b. Neutrality
- c. Impartiality
- d. Challenge and Replacement of Arbitrators
- e. IBA Guidelines

(Reading: selected cases of Independence and Impartiality declarations)

- a. The procedure
- b. How to start an arbitration
- c. Written submissions
- d. Evidentiary matters
- e. Hearings
- f. Professional Ethics in International Arbitration;

(Readings: IBA International Principles on Conduct for the Legal Profession; Rules of Ethics for International Arbitrators)

9. Arbitration and the Courts)

- a. Enforcing the clause, jurisdiction
- b. Interim measures
- c. Witnesses, evidence

(Reading: C v D [2007] EWHC 1541 (Comm))

10. The Award

- a. Formal requirements
- b. Structure of the Award
- c. Orders, Interim Awards, Final Awards

(Readings: Luca G. Radicati di Brozolo, "Res Judicata and International Arbitral Awards", in Pierre Tercier (ed.) *Post Award Issues. ASA Special Series n. 38*, 2011. Arbitral Award, parties omitted)

11. Enforcing and Challenging an Arbitral Award

- a. New York Convention
- b. Refusal to recognize and enforce: reasons
- c. Ground for Challenge

(Readings: William W. Park, "Duty and Discretion in International Arbitration", in *American Journal of International Law*, 93, 805, 1999. *Renusagar Power Co. Ltd vs General Electric Co* on 7 October, 1993 – pp. 1-25)

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12. Individual presentations by students/group presentation

Textbook:

Due to the peculiar nature of the seminar, there is no need of a general textbook for students. Lessons will be based on specifically created PowerPoint presentations. Also, copies of some relevant readings will be distributed to students on a regular basis, via the online syllabus system. However, as a support textbook, students may want to use N. Blackaby, C. Partasides (with Alan Redfern and Martin Hunter), *Redfern and Hunter on International Arbitration – Student version*, Oxford, Oxford University Press, 5th edition, 2009.

Reference Materials:

In addition to the materials mentioned under “Textbooks” above, other handouts and reading materials will be distributed to students via the online syllabus system. A preliminary list will be distributed on April 16th (first class)

Evaluation:

Participation (quality of the preparation, contribution to the discussion): 50%

Individual Presentation: (50%)

Notes:

If students experience difficulties of any kind, they are advised to contact Dr. Giorgio Fabio COLOMBO at colombo@law.nagoya-u.ac.jp

6. Special Problems: Comparative Private Law

Co-ordinator: Giorgio Fabio COLOMBO
Class: Thursdays, 10:30-12:00
Place: School of Law, Seminar Room 905

Prerequisites: A basic knowledge of private international law and contract law is recommended.

The contract of sale is the backbone of international trade in all countries, irrespective of their legal tradition or level of economic development. The United Nations Convention on Contracts for the International Sale of Goods (in short, CISG) is therefore considered one of the core international trade law conventions whose universal adoption is desirable. The adoption of the CISG provides modern, uniform legislation for the international sale of goods that would apply whenever contracts for the sale of goods are concluded between parties with a place of business in Contracting States. By doing so, it aims at avoiding the recourse to rules of private international law to determine the law applicable to the contract, adding significantly to the certainty and predictability of international sales contracts. The course will present in detail the key features of the CISG, also by employing cases taken from real life legal practice.

The aim of the seminar is to provide students with effective knowledge of the CISG. First, a general overview of the subject will be presented, in order to allow everybody to have a common frame of reference. Then, each single aspect of the Convention will be analyzed in detail, from the scope of application to the remedies granted to the parties. To better understand the interaction between theoretical and normative framework and practical problems, students will have to read and comment also on materials taken from actual cases. After the end of the seminar, students should have acquired a good knowledge of the text and case-law of the CISG, and the main problems and issues which are currently debated among arbitration scholars and practitioners.

Topics to be covered:

1. Introduction to the Seminar
2. Scope of Application

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3. Definition of "Goods"
4. General Provisions: Interpretation, Freedom of Form, etc.
5. Formation of the Contract
6. General Provisions
7. Mid-term Examination
8. Obligations of the Seller I
9. Obligations of the Seller II
10. Obligations of the Buyer
11. Common Provisions: Anticipatory breach
12. Damages
13. Other Provisions
14. Conclusive Remarks
15. Final Examination

Reference Materials:

Due to the peculiar nature of the seminar, there is no need of a general textbook for students. Lessons will be based on specifically created PowerPoint presentations. Also, copies of some relevant readings will be distributed to students on a regular basis, via the online syllabus system.

Evaluation:

Participation (quality of preparation, contribution to discussion): 50%
Written Examinations: 50%

Graduate School of Mathematics (GSM)

Perspectives in Mathematical Sciences III<U>/I<G>

Co-ordinators: MATSUMOTO Kohji/IYAMA Osamu/HAMANAKA Masashi
Class: Tuesdays, 14:45~16:15
Place: School of Science Building 1 (Mathematics), Room 109

Prerequisites: A working knowledge of standard undergraduate mathematics, including linear algebra and calculus. Students not majoring in mathematics should contact any of the instructors before the first lecture to see if the course is appropriate for them.

This course comprises one of the English courses which the Graduate School of Mathematics provides for graduate and undergraduate students not only from abroad but also domestic students who strongly desire to study abroad or to communicate with foreign scientists in English. All course activities, including lectures, homework assignments, questions and consultations are given in English. This year, the course is provided by three instructors, who will cover different subjects from various aspects of mathematics and related fields.

Topics to be covered:

Part 1 – MATSUMOTO Kohji: Prime numbers and the zeta-function

Number theory is one of the most classical branches in mathematics, and prime numbers play a central role in number theory. However the distribution of prime numbers is quite mysterious, and still now, there are a lot of unsolved problems related to prime numbers.

In order to study the distribution of prime numbers, one of the most fruitful ways is via the theory of the Riemann zeta-function. This is a complex-valued function defined by a certain infinite series, and its behaviour is closely related to the distribution of prime numbers. Therefore it is not surprising that the behaviour of the zeta-function is also quite difficult to understand. The most important unsolved problem on the zeta-function is the celebrated Riemann hypothesis.

The aim of my part is to give an introduction to the theory of prime numbers and the zeta-function.

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We will begin with some elementary properties of prime numbers, and then proceed to the study of the zeta-function, explain the relation between the theory of prime numbers and the zeta-function, and sketch the proof of the prime number theorem (that is, the number of prime numbers up to x is asymptotically equal to $x/\log x$). Various generalizations of the Riemann zeta-function, such as Dirichlet L-functions, will be mentioned if we have enough time.

A knowledge of complex function theory (the materials included in a standard undergraduate course) is necessary.

Reference Materials:

- [1] T. M. Apostol, *Introduction to Analytic Number Theory*, Springer, 1976.
- [2] E. C. Titchmarsh, *The Theory of the Riemann Zeta-function*, 2nd ed., Oxford, 1986.
- [3] H. L. Montgomery and R. C. Vaughan, *Multiplicative Number Theory I. Classical Theory*, Cambridge, 2007.

Part 2 – IYAMA Osamu: Representation theory of orders

The notion of modules over rings is a generalisation of vector spaces over fields. The fact that any vector space has a basis gives us a complete classification of vector spaces up to isomorphism. The aim of this lecture is to explain a similar classification problem of modules for more general classes of rings. One of the simplest cases is the formal power series ring $R = k[[x]]$ over a field k . In this case any R -module is isomorphic to a direct sum of R and $R/(x^i)$ ($i > 0$). A similar classification can be given for wider classes of rings called orders, and the classification results are displayed by using Auslander-Reiten quivers.

A knowledge of basic algebra is necessary. I will not use a textbook, but the following books are useful.

Reference Materials:

- [1] C. W. Curtis, I. Reiner, *Methods of representation theory*. Vol. I.
- [2] I. Assem, D. Simson, A. Skowronski, *Elements of the representation theory of associative algebras*. Vol. 1.
- [3] Y. Yoshino, *Cohen-Macaulay modules over Cohen-Macaulay rings*.

Part 3 – HAMANAKA Masashi: ADHM Construction of Instantons

I would like to discuss the Atiyah-Drinfeld-Hitchin-Manin (ADHM) construction of instantons and related topics. Instantons are finite-action (global) solutions of the Anti-Self-Dual Yang-Mills equations in four-dimension. They play crucial roles in geometry and physics. The ADHM construction is based on a beautiful duality (one-to-one correspondence) between a moduli space of the instantons and a moduli space of the ADHM data. While the former is specified by a non-linear partial differential equation in four-dimension, the latter is specified by a matrix equation which is much easier to treat.

The purpose of my part is to give elementary proof of the duality in the ADHM construction in four-dimensional Euclidean space, together with a brief introduction to instantons in geometry and physics. There is no need to know manifolds, vector bundles, connections, and so on, in advance. I will also mention the D-brane interpretations of them, generalisation to noncommutative spaces, and application to monopoles in three-dimension. A more detailed syllabus will be distributed at the beginning of part 3 (on June 27th).

Reference Materials:

- [1] Corrigan and Goddard, *Construction of Instanton and Monopole Solutions and Reciprocity*, Annals Phys. 154 (1984) 253.
- [2] Atiyah, *Geometry of Yang-mills Fields*, Pisa, Italy: Sc. Norm. Sup. (1979, Lezioni Fermiane).
- [3] Donaldson and Kronheimer, *The Geometry of Four-Manifolds*, (1990, Oxford UP).

Evaluation:

Attendance, report problems, and examinations as assigned by each instructor.

NAGOYA UNIVERSITY PROGRAM FOR ACADEMIC EXCHANGE (NUPACE)

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