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# **Guidelines for Graduate School of Systems Life Sciences, Kyushu University**

九州大学大学院システム生命科学府

履修概要

(For students in International Course enrolled in Academic Year 2019)

(2019年度国際コース入学者適用)

Academic Year 2019



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## Introduction

The guidelines in this brochure provide the rules, credit systems and other relevant information of the Graduate School of Systems Life Sciences, Kyushu University for students who are enrolled in the Academic Year 2019.

In order for the students enrolled in the Academic Year 2019 to complete the courses and earn a Doctoral Degree, you need to complete the class subjects and meet the criteria outlined in this brochure. Be familiar with the guidelines so that you take and finish the subjects required. Keep this brochure with you while you are in the School. (PDF format of this Guidelines will be posted on the Website of the Graduate School of Systems Life Sciences later).

More detailed information on each of the class subjects is provided in the syllabus found on the Website of the Graduate School for your reference.

If you have any questions, contact the Student Affairs Office of the Graduate School of Systems Life Sciences.

## まえがき

この履修概要は、2019年度九州大学大学院システム生命科学府入学者に、規則や履修方法等に関する情報をまとめたものです。

2019年度入学者のみなさんが、本学府を修了し、学位を修得するためには、本概要に記載された授業科目を履修し、修了要件を満たさなければなりません。この履修概要の説明をよく読んで、必要な授業科目を履修してください。在学中はこの履修概要をなくさないようにしてください。（後日、履修概要のPDFデータを大学院システム生命科学府のホームページに掲載します。）

各授業科目の内容の詳細については、本学府ホームページにシラバスを掲載しておりますので、参考にしてください。

不明な点があれば、下記の理学部等教務課教務係に直接お越しいただくか、電話又はメールにてご連絡ください。

## Information Desk

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## 1 . Education at the Graduate School

### 5-year doctoral course

The Graduate School offers a 5-year doctoral course without a division of master's program and doctoral program. A Doctoral Degree is conferred to those who belong to this course for five years, earn the required credits, receive the designated research instruction, submit a doctoral dissertation and pass the final examination.

For those who enter as 3rd year students in the doctoral course will be given instruction tailored to the credits they earned before entering the Graduate School.

The Graduate School basically provides degree of Systems Life Sciences, or the students can choose from Engineering, Philosophy and Science.

### Human resources development

The graduates of the Graduate School are life scientists who have common sense in informatics and engineering, and engineering/informatics scientists who have common sense in biology. At the same time they are also expected to be human resources equipped with ethical values and business mind to create new industries and research fields. Currently in Kyushu University as well as in Japan, there are very few professors who are specializing in the multiple fields of biology, informatics and engineering. Therefore it is indispensable for the Graduate School to be staffed by faculty members having expertise in the educational fields of informatics, engineering and biology.

The Graduate School of Systems Life Sciences is staffed by the members of the Graduate Schools/Faculties of Kyushu University including Information Science and Electrical Engineering, Engineering, Agriculture, Mathematics for Industry, Science, Medical Sciences, Medical Institute of Bio-regulation, Arts and Science, and Inamori Frontier Research Center. As they engage in educational research in cooperation, the Graduate School of Systems Life Sciences serves as a new major hub of interdisciplinary education of life sciences.

## 1. 学府教育について

### 5年一貫制の博士課程について

本学府は、博士課程前期と後期を区分しない5年一貫制の博士課程です。この課程に5年以上在学、所定の単位を修得し、かつ、必要な研究指導をうけ、博士論文を提出し、最終試験に合格すると博士の学位が授与されます。

また、博士課程3年生からの編入学者に対しては、入学前の履修状況により適宜修学指導を実施します。

本学府で授与する学位はシステム生命科学を基本とし、工学、情報科学、理学の4つの中から1つを選択することができます。

### 人材の育成について

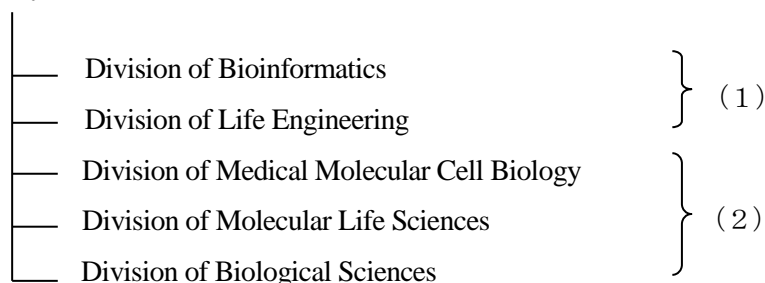
本学府の修了者は、情報科学、工学のセンスを持つライフサイエンティストであり、かつ、生物学のセンスを持つ工学、情報科学者であります。同時に、新規の産業や研究分野の創出のためには、倫理観および事業感覚を備えた人材でなければなりません。現在、学内、国内において、生物科学、情報科学、工学における複数の分野に精通している教員は非常に少ないため、本学府では、情報科学、工学、生物科学の教育研究にそれぞれ実績を持つ専門教員の参加が不可欠となります。

本学には、これらに実績を持つ、システム情報科学研究院、工学研究院、農学研究院、マス・フォア・インダストリ研究所、理学研究院、医学研究院、生体防御医学研究所、基幹教育院、稲盛フロンティア研究センターらの教員が協力し教育研究にあたることにより、システム生命学府という新しい生命科学の教育研究の一大拠点を形成しています。

## Department and divisions of the Graduate School

The Graduate School consists of one department and five divisions.

### Department of Systems Life Sciences



### Policy of course completion

The graduate students of Systems Life Sciences are expected to acquire not only basic knowledge of their major research fields but also the one of the different field. Therefore, we offer basic lecture series by the five divisions above to receive smoothly the School's interdisciplinary education.

For taking basic subjects, please choose the subject which according to your division as Table 1.

### 履修の方針について

大学院システム生命科学府には対応する学部が設置されていないため、学部課程在学時に、本学府が行う学際教育の全分野を網羅した基礎教育を受けていない学生が多いと考えられます。このことを考慮して、情報科学、工学、生物科学またはその他の分野をそれぞれ主として学んできた学生が、円滑に学際教育を受けられるように、情報科学系、工学系、生命医科学系、分子生命科学系、生命理学系の5大講座からそれぞれに工夫したカリキュラムを提供しています。

基礎科目については、表1のとおり、自身の所属講座により科目を選択してください。

Table 1: Guideline to Select Basic Subjects (Selective) / 基礎科目群の選択方法について

	Division	Basic subjects
(1)	Bioinformatics Life Engineering	Medical Life Sciences I, II Basic Molecular Life Sciences I, II Basic Biological Sciences I, II
(2)	Medical Molecular Cell Biology Molecular Life Sciences Biological Sciences	Basic Bioinformatics I, II Basic Life Engineering I, II

\*Note: Students below (i) and (ii) should talk with their supervisor and take the subjects.

- (i) Students who belong to the Division of Bioinformatics/Life Engineering however graduated faculty of a field in Biology/Life Sciences.
- (ii) Students who belong to the Division of Medical Molecular Cell Biology/Molecular Life Sciences/Biological Sciences however graduated faculty of a field in Informatics/Engineering.

\*注意：生物系学部を卒業し情報科学・工学系2講座に所属する者、又は情報科学・工学系学部を卒業し生物系3講座に所属する者は、指導教員と相談し講義を選択すること。

The Graduate School designates “Bioethics” as an obligatory basic subject for cultivating researchers equipped with the ability to make balanced judgement in ethical values. This subject is compulsory.

また、本学府においては倫理的価値判断に優れた研究者育成のため、「生命倫理学」の講義を必修基礎科目としていますので、必ず履修するようにしてください。

### Quarter system

Kyusyu University has been adopting a quarter system, which is division of an academic year into four parts (Spring, Summer, Fall and Winter semester).

Each course holds eight classes during the quarter. When classes are cancelled due to public holidays or any other occasions, they will be rescheduled to other date. Therefore, the University calendar and Systems Life Sciences website are highly recommended being checked regularly.

Normally, an examination is held in each course during the quarter. However, the schedule or the way of evaluation are very depending on the instructor in charge, so that the details should be checked in advance.

### 4 学期制について

九州大学は平成 29 年度より 4 学期制を導入しているため、履修上、1 年度を 4 つの授業期間に区分し、カリキュラムの設定を行っています。

1 学期ごとに 8 回の授業を実施しますが、祝日等により日数の少ない曜日の授業の不足分については、原則、授業日数が 9 回以上となる他の曜日に振り替えて授業を実施します。

期末試験は、各科目の授業が終了した後、授業期間中に実施しますが、担当教員により実施方法（筆記試験、レポート提出等）が異なりますので、必ず確認してください。

### 【 2019 Class Schedule Graduate School of Systems Life Sciences (SLS)】

Visit SLS website about Class Schedule.

<http://www.sls.kyushu-u.ac.jp/wp-content/uploads/2019/01/22833540d36c35c663765f79251528d5.pdf>

SLS website (<http://www.sls.kyushu-u.ac.jp/>) > Students > Timetable

## 2. Course subjects, required number of credits and criteria for completing the course

### A) Curriculum components

The following subjects should be studied to complete the course.

- 1) Basic subjects (Compulsory);  
Subject on bioethics
- 2) Basic subjects (Selective);  
Lectures are designated to learn basic knowledge and thinking processes of fields outside the student's specialty.
- 3) Specialized subjects;  
Lectures are designate to learn deeply the student's specialty.
- 4) Technical Reading and Writing of Systems Life Sciences I , II ;  
Lectures are designated to cultivate the ability to read comprehensively scientific papers written in English and to prepare manuscript to report your research results by English. In addition, the course is designated to cultivate the ability for logical thinking required of researchers.
- 5) Special Study of Systems Life Sciences;  
Lectures are designated to learn investigation, analyses, demonstrative tests, etc. on interdisciplinary themes with instruction from multiple professors.
- 6) Advanced Seminar in Systems Life Sciences I , II ;  
Seminars are designed to enable to select doctoral dissertation themes and to pioneer interdisciplinary fields.  
(\*Advanced Seminar I is implemented as master's dissertation presentation.)
- 7) Seminar of Systems Life Sciences;  
Seminars are conducted by a small number of students in a laboratory to develop the abilities to investigate, examine, discuss and present, those are required for conducting research of doctoral dissertation.
- 8) Doctoral Dissertation Seminar

## 2. 履修科目、修了に必要な単位数と要件等について

### A) カリキュラムの構成

専攻の教育課程を実現するために、次のような科目が配置されています。

- 1) 必修基礎科目  
生命倫理に関する講義。
- 2) 基礎科目群  
自己の専門分野だけでなく、学部教育とは異なる分野の基礎知識や思考法の修得を行う。
- 3) 専門科目群  
基礎科目で所得した知識をベースに専門分野の理解を深化する。
- 4) 特別演習 I ・ II  
科学英語の読解力を養うとともに、研究者・高度職業人に必要とされる論理的な思考力や文章力を養う。
- 5) 特別研究  
学際的なテーマにつき複数指導教員の指導を得て、調査・解析・試行実験等を行う。
- 6) 学際開拓創成セミナー I ・ II  
学際的な視点から博士論文のテーマ選択や学際領域の開拓を可能とするためのセミナー。(学際開拓創成セミナー I は、修士論文発表として実施します。)
- 7) 領域講究  
少人数で行われる研究室のゼミナール等で、博士論文の研究を行う上で必要な調査、考察、討論、発表能力を修得する。
- 8) 博士論文指導演習



**B) Requirements for earning Doctoral Degree**

The followings are all required to earn a Doctoral Degree.

- 1) To belong to the Graduate School of Systems Life Sciences for at least five years
- 2) To earn at least 42 credits (cf. Table 2)
- 3) To receive instruction on research from supervisors and to pass the doctoral dissertation screening and final examination

**B) 修了要件**

博士号の修得には、下記の要件を全て満たすこと。

- 1) 大学院システム生命科学府に5年以上在学
- 2) 42単位以上を修得 (表2参照)
- 3) 指導教員から必要な研究指導を受け、博士論文の審査及び最終試験に合格

Table 2: Credits required for earning Doctoral Degree / 博士学位取得に必要な単位について

Types of credits	Credits	Course registration	Standard period acquired
① Basic subjects (compulsory)	1	Required 要履修登録	D1
② Basic subjects (Selective)	4		D1
③ Specialized subjects	6		D1 or D2
④ Basic subject and/or specialized subject (except course subjects attended for ② and ③ above)	3		D1 or D2
⑤ Technical Reading and Writing of Systems Life Sciences I	4	Not required 履修登録 不要	D1
⑥ Technical Reading and Writing of Systems Life Sciences II	4		D2
⑦ Special Study of Systems Life Sciences	6		D1 and D2
⑧ Advanced Seminar in Systems Life Sciences I	2		D2
⑨ Advanced Seminar in Systems Life Sciences II	2		D3 or D4 or D5
⑩ Seminar of Systems Life Sciences	4		D3 or D4 or D5
⑪ Doctoral Dissertation Seminar	6		D3 or D4 or D5
<b>Total</b>	<b>42 or more</b>		

In principle, “Doctor of Systems Life Sciences” is conferred on the students who complete the course. Depending the thesis themes, “Doctor of Engineering”, “Doctor of Philosophy” or “Doctor of Science” could be conferred.

Students should discuss thoroughly with the supervisor regarding the degree title.

修了者には、「博士 (システム生命科学)」の学位を授与することを原則としますが、論文の内容によっては、「博士 (工学)」、「博士 (情報科学)」又は「博士 (理学)」の学位が授与されます。

学位名については、指導教員と十分な協議を行ってください。

**C) Requirements for earning Master's Degree**

The followings are all required to earn a Master's Degree.

- 1) To belong to the Graduate School of Systems Life Sciences for at least two years
- 2) To earn at least 30 credits (cf. Table 3)
- 3) To pass the midterm examination as well as master thesis screening

**C) 修士相当学位の授与要件**

修士号の授与を受けるには、下記の要件を全て満たすこと。

- 1) 大学院システム生命科学府に2年以上在学
- 2) 30単位以上を修得 (表3参照)
- 3) 中間考査及び修士論文審査に合格

Table 3: Credits required for earning Master's Degree / 修士学位取得に必要な単位について

Types of credits	Credits	Course registration	Standard period acquired
① Basic subjects (compulsory)	1	Required 要履修登録	D1
② Basic subjects (Selective)	4		D1
③ Specialized subjects	6		D1 or D2
④ Basic subject and/or specialized subject (except course subjects attended for ② and ③ above)	3		D1 or D2
⑤ Technical Reading and Writing of Systems Life Sciences I	4	Not required 履修登録 不要	D1
⑥ Technical Reading and Writing of Systems Life Sciences II	4		D2
⑦ Special Study of Systems Life Sciences	6		D1 and D2
⑧ Advanced Seminar in Systems Life Sciences I	2		D2
⑨ Midterm Examination, Master's Thesis	N/A (screening only)		D2
<b>Total</b>	<b>30 or more</b>		

In principle, “Master of Systems Life Sciences” is conferred on the students who complete the course.

Degree titles other than “Master of Systems Life Sciences” can be conferred depending on the Faculty of your supervising professor and completed subjects (cf. Table 4). In case you intend to earn a Master’s Degree other than “Master of Systems Life Sciences”, You should have a thorough discussion with the supervisor before your start to study.

修士の学位については、原則として「修士（システム生命科学）」の学位が授与されますが、指導教員の所属と修得した単位が別途定めた要件を満たした場合、「修士（システム生命科学）」以外の学位名称が選択可能となります（表4参照）。学位名称については、事前に指導教員と十分相談してください。

Table 4: Master’s Degrees other than “Master of Systems Life Sciences” / 「修士（システム生命科学）」以外の修士相当学位について

Degree titles 学位の名称	Faculty of supervising professors 指導教員の所属	Criteria for earning degree 学位授与の条件
Master of Engineering 修士（工学）	・Faculty of Engineering 工学研究院	Earning at least 6 credits for class subjects of the Graduate School of Engineering 工学府の大学院科目から6単位以上修得
Master of Philosophy 修士（情報科学）	・Faculty of information Science and Electrical Engineering システム情報科学研究院	Earning at least 6 credits for class subjects of the Graduate School of Information Science and Electrical Engineering システム情報科学府の大学院科目から6単位以上修得
Master of Science 修士（理学）	・Faculty of Medical Science ・Medical Institute of Bioregulation ・Faculty of Science ・Faculty of Arts and Science ・INAMORI Frontier Research Center 医学研究院 生体防御医学研究院 理学研究院 基幹教育院 稲盛フロンティア研究センター	Earning at least 6 credits from the listed subjects below. ・ Basic subject of Medical Life Sciences, Molecular Life Science or Biological Sciences ・Specialized subject of Medical Life Sciences, Molecular Life Science or Biological Sciences (including its Special Lectures) 生命医科学、分子生命科学および生命理学の基礎科目、専門科目（生命医科学特別講義、分子生命科学特別講義、統合生命科学特別講義 I～Xを含む）から6単位以上修得

\* If you intend to take a Master’s Degree out of the Table 4 shows (ex. Taking “Master of Engineering” even though your supervising professor is belong to Faculty of Science), you must fully completed the above criteria to do so. In addition you need to be approved by the Dean through your supervisor.

※ 指導教員の所属により申請可能な学位の名称以外を申請する場合（例えば、指導教員が理学研究院所属の学生が「修士(工学)」を申請する場合は、上記の表に定められた申請要件を満たした上で、指導教員が理由を書面により学府長に提出し、承認を得る必要があります。

### 3. Required number of credits and criteria for completing the course by 3rd year enrolled students

#### A) Requirements for completion

The followings are all required to earn a Doctoral Degree.

- 1) To belong to the Graduate School of Systems Life Sciences for at least three years
- 2) To earn at least 42 credits (cf. Table 5)
- 3) To receive instruction on research from supervisors and to pass the doctoral dissertation screening and final examination \*1)

#### B) How to complete the course

As shown in Table 5, the students need to receive a package certification of 29 credits which correspond to the credits required to be earned by the end of the second year in the Graduate School (see below \*2). In addition, the students need to earn credits from “Bioethics (1 credit)”, “Advanced Seminar in Systems Life Sciences II (2 credits)”, “Seminar of Systems Life Sciences (4 credits)”, and “Doctoral Dissertation Seminar (6 credits)”.

### 3. 第3年次編入学生の修了に必要な単位数と要件等について

#### A) 修了要件

博士号の修得には、下記の要件を全て満たすこと。

- 1) 本学府の博士課程に3年以上在学
- 2) 42単位以上を修得(表5参照)
- 3) 指導教員から必要な研究指導を受け、博士論文の審査及び最終試験に合格 \*1)

#### B) 履修方法

履修方法については、表5のとおり。本学府において修得すべき単位のうち、29単位の一括認定を受けた上で、「生命倫理学(1単位)」、「学際開拓創成セミナーII(2単位)」、「領域講究(4単位)」及び「博士論文指導演習(6単位)」を修得しなければならない。

Table 5: Required Credits to be earned by 3rd Year Enrolled Students /  
第3年次編入者の修得すべき単位について

Types of credits	Credits	Course registration
Certified credits	29 *2)	Not required
Bioethics	1 *3)	Required
Advanced Seminar in Systems Life Sciences II	2	Not required
Seminar of Systems Life Sciences	4	Not required
Doctoral Dissertation Seminar	6	Not required
<b>Total</b>	<b>42 or more</b>	

\*1) A doctoral dissertation can be submitted only by those students who belong to the doctoral program of the Graduate School for at least two years and satisfy required instruction on research activities.

\*1) 博士論文は、原則、本学府の博士課程に2年以上在学し、かつ必要な研究指導を受けなければ提出することはできない。

\*2) The 29 credits required to earn in the Graduate School by the end of the second year listed below can be certified as a package in the screening process of the professor meeting which considers the credits and research results achieved by the students in their previous graduate school for master's program.

- (1) Basic subjects (Selective) ; 4 Credits
- (2) Specialized subjects ; 6 Credits
- (3) Basic subject group and/or special subject group (except course subjects attended for (2) and (3) above) ; 3 Credits
- (4) Technical Reading and Writing of Systems Life Sciences I ; 4 Credits
- (5) Technical Reading and Writing of Systems Life Sciences II ; 4 Credits
- (6) Special Study of Systems Life Sciences ; 6 Credits
- (7) Advanced Seminar in Systems Life Sciences I ; 2 Credits

\*3) In case the professor meeting of the Graduate School recognizes that the students have already earned credits which correspond to "Bioethics" provided in the Graduate School, they can be regarded as having completed "Bioethics" and the credits are certified accordingly.

\*2) 本学府において修得すべき単位のうち次の29単位については、編入学者が編入前の大学院（修士）等ですでに修得している単位及び研究業績等を教授会において審査の上、一括認定することができる。

- |                 |      |
|-----------------|------|
| (1) 基礎科目群から     | 4 単位 |
| (2) 専門科目群から     | 6 単位 |
| (3) その他の科目群から   | 3 単位 |
| (4) 特別演習 I      | 4 単位 |
| (5) 特別演習 II     | 4 単位 |
| (6) 特別研究        | 6 単位 |
| (7) 学生開拓創成セミナーI | 2 単位 |

\*3) 本学府で開講している「生命倫理学」同等の授業科目の単位を既に修得していると本学府教授会にて承認された場合は、「生命倫理学」を履修したものとみなし、単位の認定を行うことができる。

#### 4. Class systems

• **Basic subjects (compulsory), Basic subjects (Selective), Specialized subjects**

The classes on the subject are held in the form of lectures and practice sessions. In principle, the class is held once a week, 8 times in total for each of the four quarter terms (spring, summer, autumn and winter terms). Those who pass the final examination are granted the credits.

• **Technical Reading and Writing of Systems Life Sciences I・II, Special Study of Systems Life Sciences, Seminar of Systems Life Sciences, Doctoral Dissertation Seminar**

The classes on the subject are held in the form of instruction on research and education. In the individual instruction on research and education provided by the supervising professor, those whom the supervising professor recognizes as having fully reached the designated subject goal are granted the credits. (The students should discuss thoroughly with the supervising professor regarding the method of instruction.)

• **Advanced Seminar in Systems Life Sciences I**

This subject is implemented as a master's dissertation presentation.

Since the date and procedure of Advanced Seminar I depend on the division and laboratories, students need to follow the notices from the Systems Life Sciences Office and check it with the supervisor.

#### 4. 授業の実施方法について

• **必修基礎科目、基礎科目群、専門科目群**

講義・演習形式による授業科目。  
原則、4学期制の各学期（春学期・夏学期・秋学期・冬学期）において、授業を週1回、計8回程度実施し、最終試験に合格した者に対し単位認定するもの。

• **特別演習 I・II、特別研究、領域講究、博士論文指導演習**

研究・教育指導形式による授業科目。  
指導教員による個別の研究・教育指導において、指導教員が学習目標に十分達したと判断した学生に対し、単位認定するもの。（修学方法については、指導教員と十分に相談してください。）

• **学際開拓創成セミナー I**

学際開拓創成セミナー I は、修士論文発表会として実施されます。

学際開拓創成セミナー I の開催時期等は、各講座・研究室により異なりますので、事務室からの連絡だけでなく、指導教員に必ず確認を行うようにしてください。

• **Advanced Seminar in Systems Life Sciences II**

Students are expected to give presentation about the doctoral research in Advanced Seminar in Systems Life Sciences II and all-laboratories poster contest which is held once a year. The course can be completed by attending both Advanced Seminar in Systems Life Sciences II and all-laboratories poster contest. (Be aware that the course cannot be completed by attending either one of these activities.) The course is attended by students in the 3rd year and later of the doctoral course. Those who are enrolled in October basically attend the course in the following year (the 4th year of the doctoral course), however for those who get ready for the research presentation, it is possible to do it in the 3rd year of the doctoral course. (You should have a thorough discussion with your supervisor.)

○ The all-laboratories poster contest

This is a poster presentation organized primarily by the students of the Graduate School. The goal is to learn how to present own research in an easy-to-understand manner to students and professors specializing in other research fields.

One or two coordinators are selected from the students attending the course, who will notify the other students (in the 3rd year or later in the doctoral program and who have not attended all-laboratories poster contest yet) of the planned date and time of the contest. All students are obligated to reply whether they attend or not.

○ Advanced Seminar in Systems Life Sciences II

This is an oral presentation session held by a group of 5 or 6 students who present their research to students and professors specializing in other research fields. The professor responsible for the subject divides students into several groups, each of which is supervised by one professor. The supervising professor of your group will notify you of the planned date and time of the presentation, all students are obligated to reply whether they attend or not.

• **学際開拓創成セミナーII**

学際開拓創成セミナーIIは、オールラボ・ポスターコンテストと合わせて、毎年1回、実施される研究発表形式の講義となります。学際開拓創成セミナーIIとオールラボ・ポスターコンテストの両方を履修することにより修了となります。(片方のみの履修では修了とならないため注意すること。)

履修時期は、原則、博士課程3年生次以降となります。10月編入学生は、原則、次年度以降(博士課程4年以降)に受講となりますが、研究発表が可能な状態であれば参加可能です。(指導教員と要相談)

○ オールラボ・ポスターコンテスト

本学府の学生が主体となって行うポスター発表となります。異なる研究分野の学生や教員に対し、自分の研究について分かりやすく説明する方法を学ぶことを趣旨とします。履修対象学生の中から1~2名、幹事を選出し、幹事となった学生から履修対象の学生(博士課程3年次生以上の学生でオールラボ・ポスターコンテストに未参加の者も含む)に対し開催日程等について連絡がありますので、必ず返答をするようにしてください。

○ 学際開拓創成セミナーII

5~6名程度の小グループに分かれ、自分と異なる研究分野の学生及び各担当の教員に対して口頭発表を行う形式となります。その年度の幹事教員が履修対象者をグループ分けし、各グループを1名の教員が担当します。履修対象者には、各グループの担当教員から開催日程等につき連絡を行いますので、必ず返答をするようにしてください。

## 5. Course registration / 履修登録について

1) Method of course registration

1) 履修登録の方法について

<https://ku-portal.kyushu-u.ac.jp/campusweb/login.do>

Visit Kyushu University website ; <http://www.kyushu-u.ac.jp/en/>

Top > Student Life > Course Registration > Registration/Syllabuses > Student Portal System

The screenshot shows the 'Campusmate - J' website interface. At the top right, there is a 'Text Size' selector with options L, M, and S. Below this is a navigation menu with 'Information' selected. The main content area displays a list of information items with dates and titles. On the right side, there is a login form with fields for 'User ID' and 'Password', and a 'Login' button. Below the login form is a 'Syllabus Search' section with checkboxes for 'Search by Course Title', 'Search by Instructor's Name', and 'Full-Text Search'. At the bottom of the page, there is an 'Events' section that currently shows 'No event is found.'

\*For online Web course registration, the following OS and browsers are compatible.

OS	Windows 7 or above, Mac OS X or above
Web browsers	Internet Explorer, Microsoft Edge, Mozilla Firefox, Google Chrome, Safari, Mobile Safari, Chrome for Android

2) Method of registering course subjects

The method of registration of course subjects in the Graduate School varies depending on the type of subjects, so we advise you to check the details beforehand and complete the registration within the designated period.

2) 履修科目の登録方法について

本学府における履修の手続き方法は、科目の種類によって異なるので、事前に確認の上、定められた期間中に履修登録手続きを行うこと。

Subjects	Method of course registration
<ul style="list-style-type: none"> <li>• Basic subjects (Compulsory)</li> <li>• Basic subjects (Selective)</li> <li>• Specialized subjects (Selective)</li> <li>*Except “special lecture”</li> </ul>	Website course registration Web 履修登録



<ul style="list-style-type: none"> <li>• Technical Reading and Writing of Systems Life Sciences I , II</li> <li>• Special Study of Systems Life Sciences</li> <li>• Advanced Seminar in Systems Life Sciences I , II</li> <li>• Midterm Examination,</li> <li>• Master's Thesis</li> <li>• Seminar of Systems Life Sciences</li> <li>• Doctoral Dissertation Seminar</li> </ul>	<p>Course registration not required 履修登録不要</p>
<p>Specialized subject of special lecture</p>	<p>Other methods different from Website course registration            * Advance registration application may be / may not be required            * Be advised to check the notifications on the website and email from the Graduate School of Systems Life Sciences  <b>Web 履修登録とは別途指示</b>            ※事前の履修登録が必要な場合と事前の履修登録が不要な場合有り            ※システム生命科学府ホームページの掲示及びメールを確認すること</p>
<p>KIKAN Education for Graduate Schools</p>	<p>Registered on Website of Faculty of Arts and Science of Kyushu University  <b>【 Faculty of Arts and Science, Kyushu University 】</b>  <a href="https://www.artsci.kyushu-u.ac.jp/campus_life/gs/">https://www.artsci.kyushu-u.ac.jp/campus_life/gs/</a>            基幹教育院の Web サイトで登録</p>
<p>Other graduate school courses</p>	<p>Submit “Application for Attending other Schools” to the Student Affairs Office (it can be also submitted via email)            理学部教務課教務係に「他学府聴講願」を提出すること</p>

3) Period of course registration

The period of course registration is about four weeks starting the first day of the first semester (spring and summer quarters combined) and second semester (fall and winter quarters combined), during which registration and confirmation are completed.

The course registration cannot be accepted after the designated registration periods. In case course registration is not confirmed, students cannot attend the classes, take the examinations and earn the credits. **The period of course registration and confirmation is notified for each of the courses or subjects. You are responsible to complete and confirm the registration within the designated period by all means.**

3) 履修手続きの期間について

履修登録の期間は、前期（春学期・夏学期）、後期（秋学期・冬学期）ごとに設けられ、各学期開始日から概ね4週間で履修登録および確認までが終了となります。（前期履修登録期間に「春学期」及び「夏学期」、後期履修登録期間に「秋学期」及び「冬学期」の履修登録を行ってください。）履修登録期間の終了後の履修登録は受け付けられません。履修登録を行っていない場合、授業への出席及び試験等の受験はできず、単位も修得できませんので十分注意してください。**履修登録および確認期間は、それぞれ掲示にて通知されますので、各自で責任を持って、必ず定められた期間中に登録し、履修内容の確認までを行ってください。**

## 6. Attending courses in other graduate schools

In case your supervising professors consider it beneficial for your education, you may attend course subjects given by other graduate schools which are admitted by the Graduate School of Systems Life Sciences. The earned credits could be certified up to 10.

However for earning Doctoral/Master's Degree, the certifiable credits from other graduate school courses are three credits corresponding the Table 2④ (p7) or the Table 3④(p8).

The credits obtain through the exchange of credits of Faculty of Arts and Science and QREC, and credits of Consortium Fukuoka which recognized as credits earned at the graduate school which are admitted by the Graduate School of Systems Life Sciences. The earned credits are certified up to 10 included the credits given by other graduate schools which are admitted by the Graduate School of Systems Life Sciences. However credits earned in order to obtain a doctoral degree or master's degree are limited to 2 credits in total including credits of Faculty of Arts and Science and QREC and Consortium Fukuoka.

In case you would like to attend course subjects of other graduate schools, submit "Application for Attending other Schools" to the Student Affairs Office of the Graduate School of Systems Life Sciences. If you don't submit the application, you may not certified at the subject.

## 6. 他学府の専攻教育科目の履修について

指導教員が教育上有益と認める場合は、本学府が指定する他の大学院の授業科目を履修し、10単位を限度として本学府での修得単位として認定することができます（大学院システム生命科学府規則第9条第1項、第2項）。

ただし、他の大学院の授業科目により修得した単位を、博士学位取得または修士相当学位取得のための要件とすることができるのは、「基礎科目群、専門科目群から3単位（表2の④（7頁）または表3の④（8頁）」にあたる部分とします。

また、大学院基幹教育科目、QRECの履修単位および『国公立大コンソーシアム・福岡』の単位互換により修得した単位は、他の大学院の授業科目により修得した単位と合わせ、10単位を限度として本学府での修得単位として認定することができます。ただし、博士学位取得または修士相当学位取得のため修得した単位として取り扱うのは、大学院基幹教育科目、QRECおよび『国公立大コンソーシアム・福岡』の単位を合わせて2単位までとします。

他の大学院の授業科目を履修希望する場合は、「他学府聴講届」を、理学部等事務部教務係に提出してください。「他学府聴講届」が提出されていない場合、履修が認められないことがありますのでご留意願います。「他学府聴講届」は、大学院システム生命科学府のホームページに掲載しておりますので、ご確認願います。

## 7. Syllabuses

A syllabus is a design drawing of courses covered in education. It provides information on the purpose, outline, procedure, goal, evaluation methods/standards, textbooks, and reference books of each course subject. The information helps you to visualize your study on the course subjects in advance. Read the syllabuses thoroughly and understand fully the purpose and goal of the subjects of your interest.

Students can check the syllabus of each subject on the website of the Graduate School of Systems Life Sciences below.

[Syllabuses (List of Course Subjects) of the Graduate School of Systems Life Sciences]  
<http://www.sls.kyushu-u.ac.jp/lectures/syllabus/>

## 8. Grade confirmation

Grade confirmation can be done on the website. Visit this website ;

<https://ku-portal.kyushu-u.ac.jp/campusweb/login.do>

Login by your SSO-KID and click the Course Results

In case you have inquiries or corrections to be made regarding your grades, contact the Student Affairs Office before the end of the course period of the subject you attended.

## 7. シラバスについて

シラバスとは授業の設計図です。授業毎に、授業の目的、授業の概要、授業の進め方、学修目標、評価方法・基準・教科書・参考書などを記したものです。これによって、その授業を事前にイメージすることができます。内容をよく読んで、その科目の目的や学修目標などを理解してください。

各授業のシラバスは、大学院システム生命科学府のホームページで確認してください。

【大学院システム生命科学府のシラバスページ】

<http://www.sls.kyushu-u.ac.jp/lectures/syllabus/>

## 8. 成績確認について

成績確認は、Web 上で行えます。

『Campusmate-J』の画面でユーザー ID (SSO-KID) とパスワードを入力し「ログイン」をクリックします。メニュー画面が表示されますので、サイドメニューの[成績照会]を選択すると、[成績照会画面]が表示されます。

なお、成績に疑義・訂正等がある場合は、原則として授業があった開講期の終わりまでに理学部等教務課教務係に申し出てください。

Grace Evaluation	Score	
A	100～80 points	Excellent/優
B	79～70 points	Good/良
C	69～60 points	Fair/可
D	59～ 0 points	Fail/不可
G	No score for pass-fail 合否判定科目のため評点なし	Pass/合格
N	No score for recognition 認定科目のため評点なし	Recognition/認定
未履修	—	Not completed/ 未履修

## 9. Website notification from Kyushu University and Student Affairs Office of Graduate School of Systems Life Sciences

The notice board on the Website of the Graduate School of Systems Life Sciences posts information on classes (planned dates, cancellations, materials used, etc.), notices of lectures and seminars, application for scholarship, job advertisement, and so on. We advise you check the notice board frequently.

Please keep in mind that the lecture materials are currently accessible only on-campus.

[Top page of the Website of the Graduate School of Systems Life Sciences]

<http://www.sls.kyushu-u.ac.jp/en/>

Important notifications such as exemption from entrance or tuition fees may be sent directly to individual e-mail addresses. Therefore, **be always ready to receive e-mails sent to the address given from Kyushu University.**

In case you are using another e-mail address mainly, enable e-mail forwarding settings.

Be careful also that e-mails from the Student Affairs Office may not reach you in case you use mobile phone e-mail address (“@docomo.ne.jp”, “@softbank.ne.jp”, “@ezweb.ne.jp”, etc.) or enable an e-mail due to filtering function of your PC.

## 9. 大学・理学部等教務課教務係からの各種通知・掲示について

大学院システム生命科学府のホームページにて、講義情報、休講情報、講義資料、講演会・セミナー等のお知らせ、奨学金募集の通知、就職情報等の様々な情報を掲載しておりますので、上記事項については学府ホームページを参照していただきますようお願いいたします。（こまめに確認をお願いします。）

なお、講義資料については、学内からのアクセスに限定しておりますのでご注意ください。

【大学院システム生命科学府トップページ】

<http://www.sls.kyushu-u.ac.jp/en>

また、入学科・授業料免除の申請に関する通知等、重要なお知らせについては、個人あてのメールに直接お知らせする場合がありますので、**本学から割り振られたメールアドレスは、必ず受信できる状態にしておいて下さい。**

他のアドレスを使用している場合は、メールの転送設定を行ってください。

なお、事務室からのメールの転送先を携帯各社提供のメールアドレス（ドメインが“@docomo.ne.jp”，“@softbank.ne.jp”，“@ezweb.ne.jp”などのメールアドレス）に設定している場合、フィルタリング設定により事務室からのメールが届かない場合がありますので、設定にご注意ください。

**List of Course Subjects of Graduate School of Systems Life Sciences**  
**大学院システム生命科学府 授業科目一覧**

Subjects 授業科目		Credits 単位	Standard completion period 標準修得時期(*)					
			D1	D2	D3	D4	D5	
Basic subjects (Compulsory) 必修基礎科目	Bioethics	1	◎					
Basic subjects (Selective) 基礎科目群	Basic Bioinformatics I	1	○					
	Basic Bioinformatics II	1	○					
	Basic Life Engineering I	1	○					
	Basic Life Engineering II	1	○					
	Medical Life Sciences I	1	○					
	Medical Life Sciences II	1	○					
	Basic Molecular Life Sciences I	1	○					
	Basic Molecular Life Sciences II	1	○					
	Basic Biological Sciences I	1	○					
	Basic Biological Sciences II	1	○					
Specialized subjects (Selective) 専門科目群	Specialized subject of Bioinformatics 生命情報科学専門科目群	Bioinformatics, Advanced Course I	1	○				
		Bioinformatics, Advanced Course II	1	○				
		Bioinformatics, Advanced Course III	1	○				
		Bioinformatics, Advanced Course IV	1	○				
		Bioinformatics, Advanced Course V	1	○				
		Bioinformatics, Advanced Course VI	1	○				
		Bioinformatics, Advanced Course VII	1	○				
		Bioinformatics, Advanced Course VIII	1	○				
		Bioinformatics, Advanced Course IX	1	○				
		Bioinformatics, Advanced Course X	1	○				
	Specialized subject of Life Engineering 生命工学専門科目群	Life Engineering, Advanced Course I	1	○				
		Life Engineering, Advanced Course II	1	○				
		Life Engineering, Advanced Course III	1	○				
		Life Engineering, Advanced Course IV	1	○				
		Life Engineering, Advanced Course V	1	○				
		Life Engineering, Advanced Course VI	1	○				

◎ ; Compulsory subjects 必修科目, ○ ; Selective subjects 専門科目

Subjects 授業科目		Credits 単位	Standard completion period 標準修得時期(*)				
			D1	D2	D3	D4	D5
Specialized subjects (Selective) 専門科目群	Specialized subject of Life Engineering 生命工学専門科目群	Life Engineering, Advanced Course VII	1	○			
		Life Engineering, Advanced Course VIII	1	○			
		Life Engineering, Advanced Course IX	1	○			
		Life Engineering, Advanced Course X	1	○			
	Specialized subject of Medical Molecular Cell Biology 生命医科学専門科目群	Topics in medical life sciences I	1	○			
		Topics in medical life sciences II	1	○			
		Topics in medical life sciences III	1	○			
		Topics in medical life sciences IV	1	○			
	Specialized subject of Molecular Life Sciences 分子生命科学専門科目群	Molecular Life Sciences, Advanced Course I	1	○			
		Molecular Life Sciences, Advanced Course II	1	○			
		Molecular Life Sciences, Advanced Course III	1	○			
		Molecular Life Sciences, Advanced Course IV	1	○			
	Specialized subject of Biological Science 生命理学専門科目群	Biological Sciences, Advanced Course I	1	○			
		Biological Sciences, Advanced Course II	1	○			
		Biological Sciences, Advanced Course III	1	○			
		Biological Sciences, Advanced Course IV	1	○			
		Biological Sciences, Advanced Course V	1	○			
	Specialized subject of special lecture 特別講義専門科目群	Patent and Venture Company for Life Sciences and Biomedical Engineering	2	○			
		Bioinformatics Special Lecture	1	○			
		Life Engineering Special Lecture	1	○			
		Medical Molecular Cell Biology Special Lecture	1	○			
Molecular Life Sciences Special Lecture		1	○				
Special Lecture of Integrative Life Science I		1	○				

◎ ; Compulsory subjects 必修科目, ○ ; Selective subjects 専門科目

Subjects 授業科目		Credits 単位	Standard completion period 標準修得時期(*)					
			D1	D2	D3	D4	D5	
Specialized subjects (Selective) 専門科目群	Specialized subject of special lecture 特別講義専門科目群	Special Lecture of Integrative Life Science II	1	○				
		Special Lecture of Integrative Life Science III	1	○				
		Special Lecture of Integrative Life Science IV	1	○				
		Special Lecture of Integrative Life Science V	1	○				
		Special Lecture of Integrative Life Science VI	1	○				
		Special Lecture of Integrative Life Science VII	1	○				
		Special Lecture of Integrative Life Science VIII	1	○				
		Special Lecture of Integrative Life Science IX	1	○				
		Special Lecture of Integrative Life Science X	1	○				
Technical Reading and Writing of Systems Life Sciences 特別演習	Technical Reading and Writing of Systems Life Sciences I	4	◎					
	Technical Reading and Writing of Systems Life Sciences II	4		◎				
Special Study of Systems Life Sciences 特別研究	Special Study of Systems Life Sciences	6		◎				
Advanced Seminar in Systems Life Sciences 学際開拓創成セミナー	Advanced Seminar in Systems Life Sciences I	2		◎				
	Advanced Seminar in Systems Life Sciences II	2				◎		
Seminar of Systems Life Sciences 領域講究	Seminar of Systems Life Sciences	4				◎		
Doctoral Dissertation Seminar 博士論文指導演習	Doctoral Dissertation Seminar	6				◎		

◎ ; Compulsory subjects 必修科目, ○ ; Selective subjects 専門科目

(\*) "Standard completion period" is represents the grade for which you will acquire credits normally. But if you do not acquire credits in the normal grade, you can acquire its later. However, it is not possible to acquire credits which the "Standard completion period" is after the 3rd grade at the time of the 1st grade and 2nd grade

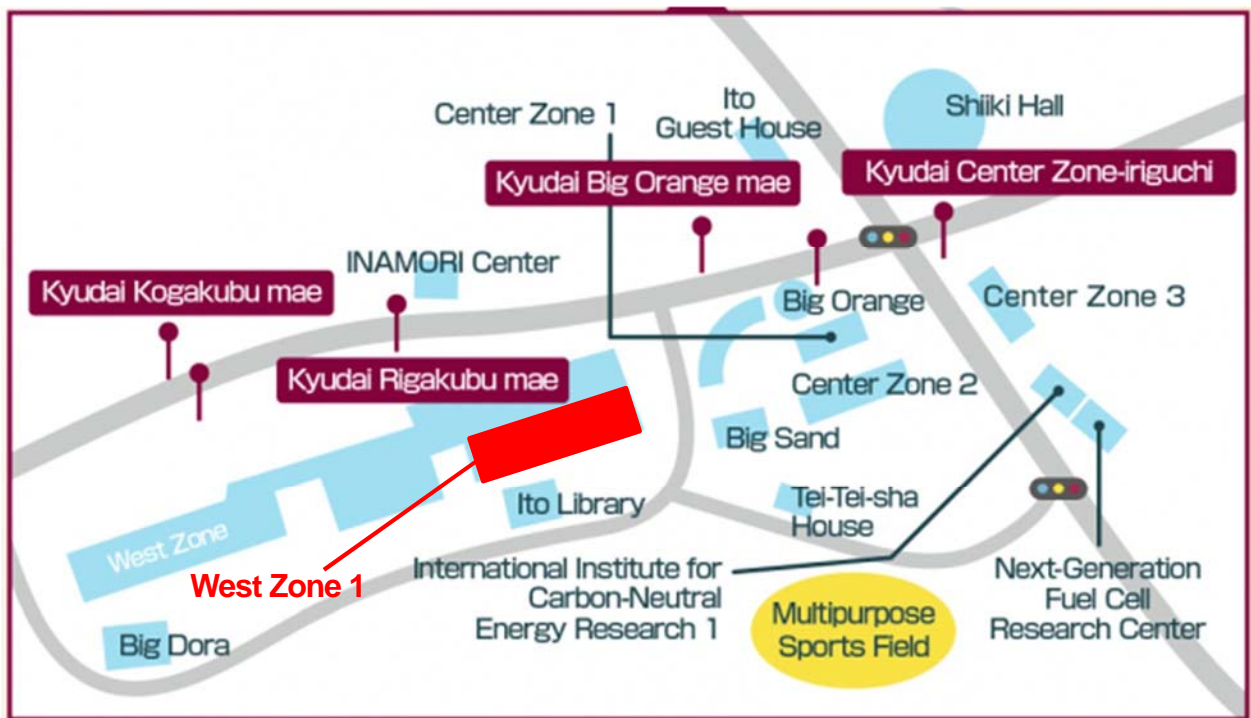


**Required number of credits and criteria for completing the course**

- (1) Basic subjects (Compulsory) ; 1 Credit
- (2) Basic subjects (Selective) ; 4 Credits
- (3) Specialized subjects : 6 Credits
- (4) Basic subjects and/or Specialized subjects  
(except course subjects attended for (2) and (3) above) ; 3 Credits
- (5) Technical Reading and Writing of Systems Life Sciences I ; 4 Credits
- (6) Technical Reading and Writing of Systems Life Sciences II ; 4 Credits
- (7) Special Study of Systems Life Sciences ; 6 Credits
- (8) Advanced Seminar in Systems Life Sciences I ; 2 Credits
- (9) Advanced Seminar in Systems Life Sciences II ; 2 Credits
- (10) Seminar of Systems Life Sciences ; 4 Credits
- (11) Doctoral Dissertation Seminar ; 6 Credits

Total ; 42 Credits or more

◆ Access ◆



[Route1]

1. Take the subway bound for Meinohama [姪浜] on the Fukuoka City Subway Kuko Line.  
Fukuoka Airport Station [福岡空港駅] → Meinohama Station [姪浜駅]
2. Change at Meinohama Station [姪浜駅] to the JR Chikuhi Line.  
Meinohama Station [姪浜駅] → Kyudai-Gakkentoshi Station [九大学研都市駅]
3. Change at Kyudai-Gakkentoshi Station [九大学研都市駅] to the Showa Bus.  
Kyudai-Gakkentoshi [九大学研都市駅] → Kyudai Rigakubu-mae [九大理学部前]
4. Get off a bus at Kyudai Rigakubu-mae [九大理学部前].

[Route2]

1. Take the subway bound for Meinohama [姪浜] on the Fukuoka City Subway Kuko Line.  
Fukuoka Airport Station [福岡空港駅] → Tenjin Station [天神駅]
2. Change at Tenjin Station [天神駅] to the Nishitetsu Bus.  
Tenjin Solaria Stage-mae 2B [天神ソラリアステージ前 2B] → Kyudai Rigakubu-mae [九大理学部前]
3. Get off a bus at Kyudai Rigakubu-mae [九大理学部前].

[Route3]

1. Take the subway bound for Meinohama [姪浜] on the Fukuoka City Subway Kuko Line.  
Fukuoka Airport Station [福岡空港駅] → Hakata Station [博多駅]
2. Change at Hakata Station [博多駅] to the Nishitetsu Bus.  
Hakata-ekimae A [博多駅前 A] → Kyudai Rigakubu-mae [九大理学部前]
3. Get off a bus at Kyudai Rigakubu-mae [九大理学部前].

\* Fukuoka City Subway

<http://subway.city.fukuoka.lg.jp/eng/index.html>

\* Showa Bus Timetable

[http://www.showa-bus.jp/jikokuhyou\\_pdf/kyudai.pdf](http://www.showa-bus.jp/jikokuhyou_pdf/kyudai.pdf)

\* Nishitetsu Timetables

<http://jik.nishitetsu.jp/menu?lang=en>



