

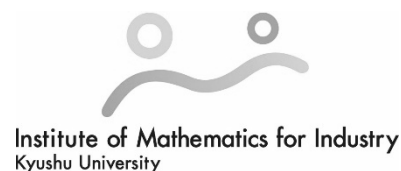
**Guidelines for Application**

**Graduate School of Mathematics,  
Kyushu University  
(Doctoral Course)**

**International Program in Mathematics**

Special Screening for Admission  
in October, 2022

for Applicants for China Scholarship Council



## **International Doctoral Program in Mathematics**

**This program offers international students a doctoral course in mathematics (after finishing master course), in topics ranging from pure mathematics such as algebra and geometry to applied mathematics such as probability, statistics, and computational mathematics. For details, please visit the following websites:**

### **Graduate School of Mathematics**

<https://www.math.kyushu-u.ac.jp/eng/>

<https://www.math.kyushu-u.ac.jp/eng/entryexams/view/1>

**China Scholarship Council (CSC) Applicants applying for the 2022 International Doctoral Program in Mathematics, the Graduate School of Mathematics at Kyushu University, should follow the following procedures. The course will commence on October 1, 2022. All thesis work will be carried out in English.**

**If you are interested in the application, you are requested to contact a professor or an associate professor of our graduate school whose area of expertise most closely matches your research topic. The list of our faculty can be found on our web page**

<https://www.math.kyushu-u.ac.jp/eng/teachers/index>

**Before starting application procedure, the applicant has to get consent from a potential supervisor that he/she will supervise your thesis work.**

**For application procedure, you are requested to send us documents for screening following the instructions below and, simultaneously, contact to the Beijing Office of Kyushu University as below.**

Beijing Office of Kyushu University : [kyudaibeijing@163.com](mailto:kyudaibeijing@163.com)

### **1. Department and number of students to be admitted**

Department	Number of students
Mathematics	Several students

In this program, students are to perform their own research in mathematics. The main goal is to become researchers and/or educators in mathematics. Those who complete this program will be awarded a Doctoral Degree in Mathematics (Doctor of Philosophy [Mathematics]).

### **2. Qualification for application**

Applicants must meet the following two requirements.

- (1) Applicants for CSC who are willing to obtain a Doctoral degree of Graduate School of Mathematics, Kyushu University.

- (2) Have a nationality other than Japanese, hold (or are expected to hold) a resident status of “Student”, and have obtained (or will obtain) a Master’s degree or a Professional degree by the end of September, 2022 in China.

### **3. Documents to be submitted**

- (1) Application form and curriculum vitae. (Use the form included in the last part of this guideline.)
- (2) Academic transcript (of all applicable undergraduate and graduate course work) and certificate of completion (or expected completion).
- (3) Recommendation letter issued by the applicant’s supervising professor, a member of teaching staff, or a supervisor in the employing body who has personal knowledge of the applicant and who is familiar with the details of the applicant’s academic accomplishments. (The letter must be in a sealed envelope as it is confidential.)
- (4) Master’s thesis (A copy is acceptable. If the thesis is written in a language other than Japanese or English, a summary of Master’s thesis written in Japanese or in English must be attached.) One can substitute it with a detailed research plan toward one’s Master’s thesis, which shows one’s academic background and mathematical ability. Note that the interview in the screening will be partly based on this document.
- (5) Certificate of English language ability, unless the applicant is a native speaker of English. (If the applicant has taken a standardized English proficiency test, such as TOEFL (Test of English as a Foreign Language), IELTS (International English Language Testing System, Academic Module) or Cambridge ESOL Examinations (FCE, CAE or CPE), submit (a copy of) the certificate of the applicant’s official score.)
- (6) Copy of applicant’s passport. (Photo/ID page.)
- (7) Copies of both sides of Residence Card or Residence Certificate. (Only for those living in Japan)
- (8) A photo of applicant (taken within 3 months, 5.5 cm × 4.5 cm, should be attached to the application form)
- (9) Receipt of payment of application fee. (For details, refer to item 4 below.)

(Note)

Documents must be written either in Japanese or in English. In case any of the documents are written in a language other than Japanese or English, attach Japanese or English translation.

### **4. Application fee and methods of payment**

Application fee is 30,000 yen.

Application fee must be paid either at a convenience store or by credit card, Union Pay or Alipay after registering

at the following website (“e-shiharai site”, <https://e-shiharai.net/> or <https://e-shiharai.net/English/>). (Payment at a convenience store is available only in Japan and the guidelines and the website are offered only in Japanese.) Note that the amount paid for application fee will not be refunded for any reason once it is paid.

For details of the payment method, please refer to “コンビニエンスストア・クレジットカード・中国決済での入学検定料払込方法 (How to make the payment for the application fee at a convenience store, by credit card, Union Pay and Alipay)” or “How to make the payment for the application fee by credit card, Union Pay and Alipay” on pages 9-10 of this guideline. The transfer fee should be covered by the applicant.

(1) Payment at convenience stores

Paste “入学検定料・選考料・取扱明細書(Certificate of payment of application fee)” on “Form for submission of the certificate of payment of application fee” and submit it with other application documents.

(2) Payment by credit card, Union Pay or Alipay

Submit the printed “Result” page with other application documents.

(3) Payment period

November 24 (Wed), 2021 to December 10 (Fri), 2021

(Note) For inquiries regarding e-shiharai site such as the steps, applicants should check the information on the website (<https://e-shiharai.net/Syuno/FAQ.html> or <https://e-shiharai.net/English/sss/FAQ.html>), “FAQ” or “Common Questions about Payment”, and if you have any further questions, please ask E-Service Support Center directly.

## 5. Application period:

December 6 (Mon), 2021 to December 10 (Fri), 2021 5:00 p.m. (Japan time)

## 6. Application documents should be sent to the address

Student Support Section, Graduate School of Mathematics, Kyushu University  
W1-B-306,744 Motooka, Nishi-ku, Fukuoka 819-0395, Japan

On the front of the envelope, write clearly in **red color**

“Application form for Doctoral Course of the Graduate School of Mathematics enclosed”.

**The application documents must arrive at the Student Support Section by the end of the application period.**

(Note)

The applicants are advised to use registered mail in order that the documents should arrive surely before the deadline.

## 7. Screening process

Screening of applicants is conducted based on the documents submitted and academic examination by telephone or internet (Skype or its equivalent). Academic examination shall be given on the applicants’ specialized subjects, and English language, in written or oral form. The method and schedule of academic examination will be informed after your application documents have been accepted.

## 8. Announcement of screening result and enrollment procedure

The application ID numbers of successful applicants will be posted on the website as follows. The result will also be mailed to the address written on the application form on the same date.

- (1) Website: <https://www.math.kyushu-u.ac.jp/eng/>
- (2) Date and time: February 25 (Fri), 2022, 10:00 a.m. (Japan time)
- (3) The successful applicant will receive a document that certifies the result of screening by Kyushu University and should proceed to the application procedure to CSC with it. On receiving the result of acceptance or rejection from CSC, the applicants should promptly send Certificate of CSC (photocopy) to the Student Support Section, Graduate School of Mathematics, Kyushu University.  
(Note) In case you are not adopted as a CSC scholar (although you pass this entrance examination), you still have chance to enroll in the international program in mathematics at Kyushu University as a privately financed international student and are requested to inform the Student Support Section whether you will enroll in the program or not.
- (4) Enrollment documents will be sent out in early August 2022, and successful applicants must then complete the enrollment procedures by the date specified.
- (5) Admission fee, tuition:  
Admission fee: 282,000 yen (to be paid by the end of the period of the enrollment procedures)  
Tuition: 267,900 yen per semester (annual total 535,800 yen)  
(Note) The amounts above are subject to change without prior notice. New fees will be applied if changed.  
CSC Scholars are exempted for the payment of the tuition.

## 9. Applicants with Disabilities

Kyushu University provides consultation for applicants with disabilities who may require special arrangements during the entrance examinations or in classes after enrollment.

Please contact the Student Support Section, Graduate School of Mathematics prior to the application process as soon as possible as it sometimes takes extra time to decide on the arrangements depending on the situation.

No special arrangements will be made if no contact is made by December 10 (Fri), 2021.

## 10. Miscellaneous remarks

- (1) Any documents submitted, such as application forms, will not be returned and the application fee will not be reimbursed.
- (2) An admission may be cancelled, if there is any wrongdoing or misconduct related to application documents.
- (3) For more details of the screening, please contact the address below.

- (4) Any changes due to COVID-19 will be announced via the above website of the Faculty of Mathematics. In addition, the school may take separate actions depending on the situation.

○ **Use of personal information**

1. Personal information provided for your application will be used exclusively for Kyushu University's screening process and the following purposes:
  - (1) The addresses, names, etc. of the successful applicants may be used for enrollment procedures, etc.
  - (2) The academic transcript may be used for screening about financial aid.
2. Academic records and other personal information used for screening of applicants may be used, in a form in which the individual is unidentifiable, for surveys and research concerning the screening of applicants for the Graduate School of Mathematics.
3. Personal information provided for your application will not be used for any other purposes or provided to a third party without your permission, except in cases stipulated in Article 9 of the Act on the Protection of Personal Information Held by Incorporated Administrative Agencies, etc.

Student Support Section, Graduate School of Mathematics, Kyushu University W1-B-306,744 Motooka, Nishi-ku, Fukuoka 819-0395, Japan TEL: +81-92-802-4038 FAX: +81-92-802-4016 E-mail: <a href="mailto:rixgksien@jimu.kyushu-u.ac.jp">rixgksien@jimu.kyushu-u.ac.jp</a>
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## List of faculty of the Graduate School of Mathematics, Kyushu University

(As of April 1, 2022)

### Professors

Name	Research Keywords
Takuro ABE	Arrangements of Hyperplanes, Algebraic Geometry
Katsuki FUJISAWA	Optimization Software, Graph Analysis, High-performance Computing
Yasuhide FUKUMOTO***	Fluid Mechanics
Takashi HARA***	Mathematical Physics
Fumio HIROSHIMA	Quantum Field Theory, Operator Theory and Spectral Analysis, Functional Integrations
Yuzuru INAHAMA	Stochastic Analysis, Rough Path Theory
Yutaka ISHII	Dynamical System Theory
Norio IWASE **	Topology, Algebraic Topology, $A_\infty$ structure
Shizuo KAJI	Topology, Algebraic Topology, Applied Topology
Kenji KAJIWARA	Discrete Differential Geometry, Integrable Systems
Naoyuki KAMIYAMA	Discrete Optimization
Masanobu KANEKO	Number Theory
Atsushi KATSUDA*	Differential Geometry
Yoshinobu KAWAHARA	Machine Learning, Statistical Modeling, Time-series Analysis, Optimization
Shinichi KOBAYASHI	Number Theory
Hiroki MASUDA	Mathematical Statistics, Stochastic Process
Toshihiko MASUDA	Operator Algebras
Taku MATSUI **	Mathematical Physics
Yoshihiro MIZOGUCHI	Software Science, Graph Transformation, Theory of Computing
Masanori MORISHITA	Arithmetic Topology
Koji NUIDA	Mathematical Cryptography, Combinatorial Group Theory
Hiroyuki OCHIAI	Algebraic Analysis, Representation Theory, Special Function
Hirofumi OSADA *	Probability Theory
Osamu SAEKI	Topology, Singularity Theory, Differential Topology, DNA Knots
Jun-ichi SEGATA	Partial Differential Equations, Harmonic Analysis
Tomoyuki SHIRAI	Probability Theory
Toshio SUMI ※	Topology, Transformation Groups
Setsuo TANIGUCHI ※ *	Stochastic Analysis
Masato TSUJII	Dynamical Systems, Ergodic Theory
Masaki TSUKAMOTO	Dynamical Systems, Ergodic Theory
Lin WENG	Algebraic and/or Arithmetic and/or Complex Geometry, Number Theory

※: Those who are affiliated with the Faculty of Arts and Science

\*: Those who will retire on the end of March, 2023.

\*\* : Those who will retire on the end of March, 2024.

\*\*\*: Those who will retire on the end of March, 2025.



## Associate Professors

(As of April 1, 2022)

Name	Research Keywords
Jan BREZINA ※1	Partial Differential Equations, Euler Equations, Navier-Stokes-Fourier Equations
Pierluigi CESANA	PDEs, Calculus of Variations, Gamma-convergence, Materials Science
NGUYEN Dinh Hoa	Applied Mathematics for Energy, Artificial Intelligence, Optimization, Learning and Control
Daniel GAINA	Mathematical logic, Formal methods, Category Theory, Term Rewriting Systems
Yasuro GON	Number Theory
Kazuhiro HIKAMI	Mathematical Physics
Kei HIROSE	Computational Statistics, Machine Learning
Joe KAMIMOTO	Complex Analysis, Partial Differential Equations
Takuya KONNO	Number Theory, Arithmetic Theory of Automorphic Forms
Kaname MATSUE	Dynamical Systems, Numerical Analysis, Rigorous Numerics, Differential Equations, Combustion Theory
Shunsaku NII	Dynamical Systems
Ryoko OISHI-TOMIYASU	Applied Algebra, Lattice, Quadratic Form, Mathematical Crystallography
Yukio OTSU	Differential Geometry
Shingo SAITO ※1	Classical Real Analysis, Multiple Zeta Values, Actuarial Science
Daisuke SAKURAI ※2	High-Performance Computing, Visualization, Topological Data Analysis
Hirofumi SASAHIRA	Topology, Gauge Theory, Floer Theory
Yasuhiko SATO	Operator Algebras, Non-commutative geometry
Daisuke TAGAMI	Numerical Analysis
Ryo TAKADA ※3	Nonlinear Partial Differential Equations, Harmonic Analysis
Yuichiro TAKEDA	Algebraic Geometry, Topology
Atsushi TERO	Mathematical Model
Koji TSUKUDA	Mathematical Statistics, Discrete Statistical Model, Regression Analysis, Statistical Quality Control
Mitsunobu TSUTAYA	Topology, Algebraic Topology, Higher Homotopy Structure
Hayato WAKI	Continuous Optimization, Optimization Software
Hiroshi YOSHIDA	Mathematical Biology on Regeneration

※1: Those who are affiliated with the Faculty of Arts and Science.

※2: Those who are affiliated with the Research Institute for Information Technology

※3: Those who will not accept new students in 2022.

## 1 Webで事前申込み

画面の指示に従って必要事項を入力し、お支払いに必要な番号を取得。



<https://e-shiharai.net/>



- ※番号取得後に入力ミスに気づいた場合はその番号では支払いを行わず、もう一度入力し直して、新たな番号を取得してお支払いください。  
支払い期限内に代金を支払わなかった入力情報は、自動的にキャンセルされます。
- ※クレジットカード・Allpay国際決済・銀聯ネットは決済完了後の修正・取消はできません。  
申込みを確定する前に、内容をよくご確認ください。
- ※確定画面に表示される番号をメモしてください。



## 2 お支払い

### クレジットカード・Alipay・銀聯でお支払い

※お支払いされるカードの名義人は、受験生本人でなくても構いません。但し、「基本情報入力」画面では、必ず受験生本人の情報を入力してください。

基本情報入力画面で、  
支払に利用するカードを選択

画面の指示に従い、  
支払手続を行ってください。

お支払い完了です。  
下記の手順に従って、申込内容照会結果を印刷してください。

### コンビニエンスストアでお支払い

- 入学検定料はATMでは振り込みできません。必ずレジでお支払いください。
- 店頭端末機の画面デザイン等は、予告なく変更される場合があります。

【払込票番号 (13ケタ)】

●レジにて  
「インターネット支払い」と  
店員に伝え、印刷した【払込票】  
を渡すか、【払込票番号】を  
伝えてお支払いください。

マルチコピー機は使用しません

お支払い後、必ず「入学検定料・  
選考料取扱明細書」(チケット)を  
受け取ってください。

【お客様番号 (11ケタ)】  
【確認番号 (4ケタ)】

Loppiへ

各種サービスメニュー  
各種代金・インターネット受付  
(紫のボタン)  
各種代金お支払い  
マルチペイメントサービス

【お客様番号】【確認番号】  
を入力

店頭端末機より出力される「申込券」(受付票)を持って、30分以内にレジでお支払いください。

お支払い後、必ず「入学検定料・選考料 取扱明細書」を受け取ってください。

【お客様番号 (11ケタ)】  
【確認番号 (4ケタ)】

Famiポート

代金支払い  
各種代金お支払い

番号入力画面に進む

【お客様番号】【確認番号】  
を入力

## 3 出願

### 【クレジットカード・Alipay・銀聯でお支払いの場合】

支払完了後、E-支払いサイトの「申込内容照会」にアクセスし、受付完了時に通知された【受付番号】と【生年月日】を入力し、照会結果を印刷して出願書類に同封してください。

#### <注意>

スマートフォンでお申込みされた方は、プリンタのある環境でご利用ください。

※クレジットカードでお支払いされた場合、「取扱金融機関出納印」は不要です。



### 【コンビニエンスストアでお支払いの場合】

「入学検定料・選考料 取扱明細書」の「**収納証明書**」部分を切り取り、入学志願票の所定欄に貼る。



※「収納証明書」を糊付けする際には、糊本体の注意書きに「感熱・感圧紙などを変色させる場合があります」と記載されている糊はご使用にならないでください。「収納証明書」が黒く変色する恐れがあります。



※コンビニでお支払いされた場合、「取扱金融機関出納印」は不要です。

### ⚠ 注意事項

- 出願期間を要項等でご確認のうえ、締切に間に合うよう十分に余裕をもってお支払いください。
- 支払最終日の「Webサイトでの申込み」は23:00まで、店頭端末機の操作は23:30までです。クレジットカードの場合、Webサイトでのお申込みと同時に支払いが完了します。23:00までにお手続きしてください。
- 「入学検定料払込」についてのお問い合わせは、コンビニ店頭ではお答えできません。詳しくはWebサイトをご確認ください。
- 一度お支払いされた入学検定料は返金できません。
- 入学検定料の他に事務手数料が別途かかります。詳しくはWebサイトをご確認ください。
- カード審査が通らなかった場合は、クレジットカード会社へ直接お問い合わせください。
- Alipay、銀聯でお支払いの方は、パソコンからお申込みください。(携帯電話からはお支払いできません)
- 取扱いコンビニ、支払方法は変更になる場合があります。変更された場合は、Webサイトにてご案内いたします。

# KYUSHU UNIVERSITY

How to make the Payment for the Application Fee by Credit Card, Union Pay, and Alipay.

24 hours a day, 365 days a year, you can pay anytime! Easy, Convenient and Simple!

You can pay the Application Fee by using Credit Card, Union Pay, and Alipay.



Access

<https://e-shiharai.net/english/>



Online Transaction

1. Top Page	Click "Examination Fee".
2. Terms of Use and Personal Information Management	Please read the Terms of use and Personal Information Management. Click "Agree" button located in the lower part of this page if you agree with these terms. Click "Not agree" button located in lower part of this page if you do not agree with these terms.
3. School Selection	Select "Kyushu University (Undergraduate Schools)" or "Kyushu University (Graduate Schools)."
4. School Information	Read the information carefully and click "Next".
5. Category Selection	Choose First to Fourth Selection and add to Basket.
6. Basket Contents	Check the contents and if it is OK, click "Next".
7. Basic Information	Input the applicant's basic information. Choose your credit card and click "Next".

## Paying at Credit Card

Input Credit Card Number (15 or 16 digits), Security Code and Expiration date.

All of your application information is displayed. Check and Click "Confirm".

Click "Print this page" button and print out "Result" page.

## Paying at Union Pay, Alipay

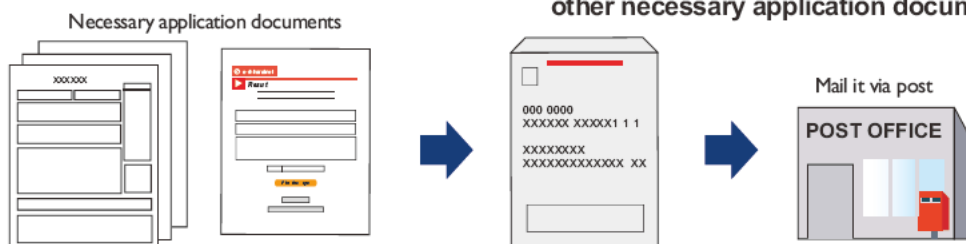
Follow the onscreen instructions to complete the card payment.

Please click the "Application Results" button in the upper part of this site (e-shiharai.net).

Please write down the "Receipt Number" given when you complete your application, and enter your "Payment Method", "Receipt Number" and "Birth Date". Please make sure your printer is ready.

Please print out the "Payment Inquiry - Inquiry result" page.

Enclose the printed "Result" page in an application envelope with other necessary application documents.



## [NOTICE/FAQ]

- You can make a payment anytime, during the payment period mentioned in the application instructions. Please refer to the application instructions and complete payment in time.
- Please complete payment by 11:00 pm Japan time, on the last date of the payment period.
- Please note that refund is not possible once you have made a payment of Application fee.
- A fee is added to Examination fee. For further info, please visit our website.
- It is possible to use a card which carries a name different from that of the applicant. However, please make sure that the information on the basic information page is that of the applicant him/herself.
- If you did not print out "Result" page, you can check it later on Application Result page. Please enter "Receipt Number" and "Birth Date" to redisplay.
- Please directly contact the credit card company if your card is not accepted.

For questions or problems not mentioned here, please contact:

**E-Service Support Center Tel : +81-3-5952-9052 (24 hours everyday)**



**Application Form**  
**Kyushu University International Programs in Mathematics**  
**Autumn 2022 (for CSC applicants)**

<b>Application ID Number:</b> (Leave this space blank. The space will be filled out by the University.)				<p><b>Photograph</b></p> <p>Attach your photograph (waist up, head uncovered and front view) here. Write your name and nationality in block letters on the back of the photo.</p> <p>5.5cm × 4.5cm</p>
<b>1. Name in Alphabet</b>	<b>Family Name</b>	<b>First Name</b>	<b>Middle Name</b>	
<b>2. Name in Kanji (if any)</b>				
<b>3. Name in Katakana (if you know)</b>				
<b>4. Date of Birth (YYYY/MM/DD)</b>				
<b>5. Sex (Male:1 / Female: 2)</b>				
<b>6. Marital Status</b>				
<b>7. Nationality</b>				
<b>8. Present Status (with the name of the university attended or employer)</b>				
<b>9. Residence Status in Japan<sup>#1</sup></b>				
<b>10. First Language</b>				
<b>11. Contact Information</b>	<b>Address</b>			
	<b>TEL<sup>#2</sup></b>			
	<b>FAX<sup>#2</sup></b>			
	<b>E-mail (required)</b>			

<b>12. Parental Contact Information</b>	<b>Name</b>	
	<b>Relationship to the Applicant</b>	
	<b>Address</b>	
	<b>TEL<sup>#2</sup></b>	
	<b>FAX<sup>#2</sup></b>	
	<b>E-mail</b>	
<b>13. Score Reports of English Proficiency Tests</b>	<b>Examination<sup>#3</sup></b>	
	<b>Date Taken</b>	
	<b>Score</b>	
<b>14. Research Topics</b>		
<b>15. Title of (Bachelor's or Master's) Thesis</b>		
<b>16. Name of Planned Supervisor</b>		

#1: If you do not have a residence status in Japan, write "No Residence Status" in the space.

#2: Include the country code before the phone number and fax number.

#3: Write the name of the standardized English proficiency test that you have taken, such as TOEFL (Test of English as a Foreign Language), IELTS (International English Language Testing System, Academic Module) or Cambridge ESOL Examinations (FCE, CAE or CPE), together with the category if any.

<b>Name in Alphabet</b>	
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**Curriculum Vitae: Educational Background**

(Describe your complete educational background from elementary to your most recent educational level.)

<b>Category</b>	<b>School Name</b>	<b>Location (City/Country)</b>	<b>Period of Schooling/ Requisite year of schooling</b>	<b>Period of Attendance (YYYY/MM – YYYY/MM)</b>
<b>Elementary Education</b>				
<b>Secondary Education (Junior High School)</b>				
<b>Senior Secondary Education (High School)</b>				
<b>University (undergraduate level)</b>				
<b>University (graduate level) and/or other</b>				

<b>Name in Alphabet</b>	
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**Curriculum Vitae: Employment Record (if any)**

<b>Name of organization</b>	<b>Location</b>	<b>Period of employment (YYYY/MM – YYYY/MM)</b>	<b>Position</b>	<b>Type of work</b>



## Form for submission of the certificate of payment of application fee

Examinee No.	※	Name	
<p>(1) If you pay the application fee at a convenience store, paste the certificate of the payment in this form and submit with other application documents.</p> <p>(2) If you pay the application fee by Credit Card, Union Pay or Alipay, submit the printed “Result” page with other application documents. You don’t need to submit this form.</p>			

Leave the “※” column blank.