

STUDY ABROAD
GUIDEBOOK

Japan Program 2018

MAY 14 – JUNE 13, 2018



2018 SUMMER-A PROGRAM IN

Osaka, Japan

INFORMATION PACKET

Dear Students:

You have been accepted into the Embry-Riddle Aeronautical University Study Abroad Program in Osaka, Japan. For some of you, this may be your first trip to overseas and you may be experiencing a range of emotions for “unknown” from excitement to anxiety and anticipation. Through this information packet, we hope you will feel “ready” for this amazing experience.

Osaka is located in the Kansai region within the main island of Japan. It is a cosmopolitan city near the ancient capitals: Kyoto and Nara, and a beautiful seaport, Kobe. Osaka translates to “large hill.” Mountains surround three sides of the Osaka prefecture and the west faces the arc-shaped Osaka Bay.

The city is well known for its vast underground shopping malls, its varied and magnificent food, and its friendly people. It is best known for the birth place of Dr. T, who will help you enjoy your visit.

Osaka is also famous for its own culture and style. Popular arts bloomed in Osaka along with traditional performance arts, such as Joruri puppet theater, Noh Theatre and Osaka’s own brand of Kabuki theater. The city is the birthplace of Bunraku, the old art of Japanese puppet theater.

The information in this packet is to help ensure successful and safe participation in the study abroad program. Study abroad poses special challenges, unique opportunities and rewards, and some risk. The material included here is to assist you in preparing for and participating in study abroad and to encourage you to exercise good judgment and common sense throughout your time abroad. Please understand that this guidebook is subject to change depending on many variables. Changes and other information will be notified via your ERAU email account. Please check your e-mail regularly and contact us if you have any concerns or questions.

Experience a perfect combination of ancient and super modern Japan!!

Sincerely,

Dr. Hisa Tsutsui
Chair, Dept. of Math
Professor of Mathematics
hisaya.tsutsui@erau.edu

Dr. Michele Zanolin
Assoc. Professor of Physics
zanolinm@erau.edu

Dr. Kelly O’Brien
Director of Study Abroad
obrienk3@erau.edu

Emergency Contact Information

In the event of an emergency, the study abroad student or parent should contact the following:

Program Leaders: Contact Dr. Hisa Tsutsui or Dr. Michele Zanolin at the Hotel. While we will be staying a few different hotels, at least one of us will be staying at the same hotel.

- Hotel International House Osaka (5/13 ~ 5/26)
Address: 8-2-6 Uehonmachi, Tennoji-ku, Osaka 533-0001, Japan
E-mail: front@ihho.jp
TEL 06-6773-8181
<https://osaka-info.jp/en/page/hotel-international-house-osaka>
- R&B Hotel Shinnosaka Kitaguchi (5/27 ~ 6/6, 6/10 ~ 6/13)
Address: 1-7-10 Miyahara, Yodogawa-ku, Osaka 532-0003, Japan
TEL:06-6399-2828
<http://randb.jp/en/shinosaka/>
- Blue Hour Kanazawa (6/7 ~6/8)
Address: 3-3 Konohanamachi, Kanazawa, 920-0852, Japan
TEL: 080-3749-7657
<http://bluehourkanazawa.com/?lang=en>
- Centurion Cabin & Spa Kyoto Shijo (6/9)
Address: 68-2 Tachiuri Nishimachi, Shimogyo-ku, Kyoto, 600-8007, Japan
TEL 075-708-6657
<http://www.centurion-cabin.com/kyoto/>

Embry-Riddle Aeronautical University: Study Abroad

Emergency Dr. Kelly O'Brien
TEL: 928-777-3774. Cell: 928-592-2128

Embassy: The U.S. Consulate General Osaka-Kobe is located near Umeda in the heart of Osaka

Address: 2-11-5, Nishitenma, Kita-ku, Osaka, 530-8543, Japan
TEL: 06-6315-5900

Emergency Number in Japan: Dial tel. 110 for the police (emergencies only) and tel. 119 to report a fire or medical emergency.

Hospital: Medical care is available in working distance from each hotel. Ask at the front desk.

Financial Information and Policies

PROGRAM COSTS AND BILLING

- Tuition: 50% discounted (\$686 per credit)
(Registration for courses must be completed before the end of the Spring Term.)
- Program fees: \$4475.00
(The program fees include: accommodations including breakfast, food/drink while on campus of OPU, a week-long JR pass – all you can ride including Shinkansen, a month-long Osaka city subway and bus passes – all you can ride, fees to filed tips, emergency medical and evacuation insurance, a 15% admin fee, all faculty costs, etc.)
- Food: estimated: \$250 ~ \$800 depending on, what, where, and how much you would eat.)
- Airfare: estimated \$700 ~\$1400 depending on where you fly from.
(You should fly to either KIX, or ITM)
- Transportation from airport to the hotel:
- Others: a credit card, and extra cash (\$500 ~)

Program fees for all programs will be posted to student accounts when you register for classes and will need to be paid before the start of classes for the registered term.

CANCELLATION

Please see your application for a copy of the cancellation policy.

Failure to meet a deadline or fulfill a requirement may result in cancellation/withdrawal of your application and you may still be responsible for any expenses incurred on your behalf. **If extenuating circumstances require the cancellation of the Study Abroad program, ERAU will refund all tuition costs to the student but will not be responsible for program fee costs that are non-recoverable or personal expenses such as airline tickets that have been purchased in advance by students.**

Medical Insurance & Immunizations

MEDICAL INSURANCE

Each participant will have study abroad enhanced comprehensive accident and sickness insurance through iNext (<https://www.inext.com/>). Benefits included in this plan are medical expenses, emergency medical evacuation, emergency reunion, repatriation of remains, as well as trip delay and baggage loss. The Director of Study Aboard will initiate your enrollment into this policy. Once the initial enrollment has been made you will be contacted by iNext to complete the enrollment process on line. Once on line you can print an insurance card to take with you. To learn more about what expenses are covered, please review the PDF available at the following address:

<https://www.inext.com/downloads/COMPREHENSIVE.pdf>.

Program Schedule (May 14 - June 13, 2018)

ERAU-Prescott Japan Program 2018 at Osaka Prefecture University -- Tentative Schedule (subjectu to change)					
Period	1st period (9:00-10:30)	2nd period (10:40-12:10)	3rd period (12:55-14:25)	Aftre 4th period (14:35-)	Events at OPU
5/14/2018	Mon	Orientation			Beginning of the Program Party
5/15/2018	Tue	PS Lecture 1	MA Lecture 1	RS Lecture 1 (Matsuda)	Osaka Casle
5/16/2018	Wed	PS Lecture 2	MA Lecture 2	RS Lecture 2 (Matsuda)	Shitennoji
5/17/2018	Thu	RS Lecture 3 (Hirose) -starting time TBA, Field trip to Kyoto			
5/18/2018	Fri	PS Lecture 3	MA Lecture 3	RS Lecture 4 (Hirose)	RS Lecture 5 (Hirose)
5/19/2018	Sat				
5/20/2018	Sun				
5/21/2018	Mon	PS Lecture 4	MA Lecture 4	RS Lecture 6(Matsuda)	Special Lecture (Arai)
5/22/2018	Tue	PS Lecture 5	MA Lecture 5	RS Lecture 7(Oda)	Sumiyoshi Taisha
5/23/2018	Wed	PS Lecture 6	RS Lecture 8(Tsuji)	MA Lecture 6	Ancient Imperial Grave
5/24/2018	Thu	PS Lecture 7	MA Lecture 7	RS Lecture 9 (Komatsubara)	Public lecture (Tsutsui)-5th period
5/25/2018	Fri	PS Lecture 8	MA Lecture 8		Public lecture (Zanolin)-5th period
5/26/2018	Sat				University Festival(友好祭)
5/27/2018	Sun				University Festival(友好祭)
5/28/2018	Mon	Riken/K-Supercomputer (Field trip to Kobe)			
5/29/2018	Tue	PS Lecture 9	MA Lecture 9		
5/30/2018	Wed	PS Lecture 10	MA Lecture 10	RS Lecture 10(Sakai)	RS Lecture 11(Sakai)
5/31/2018	Thu	PS Lecture 11	MA Lecture 11		
6/1/2018	Fri	Field Trip (Nara)			
6/2/2018	Sat				
6/3/2018	Sun				
6/4/2018	Mon	PS Lecture 12	MA Lecture 12	RS Lecture 12(Kuki)	Osaka Tsunami Museum
6/5/2018	Tue	PS Lecture 13	MA Lecture 13		Japanese Cultural Experience Day
6/6/2018	Wed	PS Lecture 14	MA Lecture 14	Open afternoon with no events	
6/7/2018	Thu			Origami Museum	
6/8/2018	Fri			Kamiokande	
6/9/2018	Sat			Kanazawa/Kyoto	
6/10/2018	Sun			Kyoto/Hiroshima	
6/11/2018	Mon			(Spring 8/ Himeji)	
6/12/2018	Tue	Free			
6/13/2018	Wed		PS Lecture 15	MA Lecture 15	End of the Program Party

Course Descriptions

MA 399

Intro to Origamics (3 sh) – Dr. Hisa Tsutsui

COURSE DESCRIPTION:

The art of origami, or paper folding, is carried out using a square piece of paper to obtain attractive figures of animals, flowers or other familiar figures. It is easy to see that origami has links with geometry. Creases and edges represent lines, intersecting creases and edges make angles, while the intersections themselves represent points. Because of its manipulative and experiential nature, origami could become an effective context for the learning of geometry.

In this unique and original class, origami is an object of mathematical exploration. The activities in this class differ from ordinary origami in that no figures of objects result. Rather, they lead the students to study the effects of the folding and seek patterns. The experimental approach that characterizes much of science activity can be recognized throughout the class, as the manipulative nature of origami allows much experimenting, comparing, visualizing, discovering and conjecturing.

GOALS:

The purpose of this course is to introduce Origami, the ancient art of Japanese paper folding, as a tool to solve modern scientific problems and provide students some problem-solving techniques using origami.

LEARNING OUTCOMES:

- Many beetles have wings that are bigger than their bodies. How are they able to do that? Their wings unfold in origami patterns. Leaf buds are folded in intricate ways that resemble origami art, too. Many technological products also have been based on origami. These devices are flat and sheet-like, and they need to change their shape so that they can be stored and transported compactly but expand to full size for usage. The reversible folding motions of a sheet make origami the perfect answer. An outcome of this class is to recognize origami's presence in nature and science.
- Proofs without a word: use origami to be able to prove some complicated mathematical problems at once by visualization.
- Improve spatial visualization skills using hands-on learning.

PS 160

Introduction to Relativity and Particle Physics (3 sh) – Dr. Michele Zanolin

COURSE DESCRIPTION:

Special Theory of relativity; rotational motion; conservation of angular momentum, simple harmonic motion; waves; fluids; kinetic theory; thermodynamics.

Prerequisite: PS 150. Corequisite: MA242

GOALS:

This course is an introductory course in college physics designed primarily for students in Aerospace Engineering, Electrical Engineering, Computer Science, Space Physics and as an elective for others requiring physics at this level. The fundamental aim of the course is to provide a rigorous introduction to classical physics at a realistic level of conceptual and mathematical sophistication for students who are taking a second course in calculus. The emphasis is on developing an understanding of basic physics principles. Problem solving is central to this course and practical applications are introduced where appropriate.

Learning Outcomes:

1. Be able to understand what led Einstein to his postulates of theory of special relativity. Be able to solve problems in time dilation, Lorentz contraction and mass changes.
2. Work problems in rotational kinematics and rotational dynamics. Be able to use energy methods in rotational motion.
3. Be able to solve problems using Newton's law of gravity. Be familiar with Bohr's theory and emission and absorption spectra.
4. Define simple harmonic motion. Derive and use to solve problems, the basic relationships involving simple harmonic motion.
5. Be able to describe various types of wave motion and explain superposition and interference. Be able to solve problems involving the Doppler Effect, standing waves and natural frequencies.
6. Demonstrate your understanding of Pascal's and Archimedes' Principles by solving hydraulic and buoyancy problems. Derive and solve problems with Bernoulli's equation for streamline flow.

RS 399

Introduction to Japanese history, culture and society (3 sh)

COURSE DESCRIPTION:

This course introduces the study of Japanese society and culture from many different viewpoints through lectures and field trips. As field trips, we will visit several locations in Osaka, Kobe, Kyoto, Kanazawa, and Hiroshima. Knowledge of the Japanese language is not required to enroll in the course. There will be a series of lectures by guest speakers. Titles and abstracts of their lectures are as follows:

- **Lecture 1:** *Introduction to Japanese I.*
Instructor: Professor Yoko Matsuda, University of Hyogo.
Abstract: This is a brief crash Japanese lesson to communicate with Japanese people while you are in Japan. In this class students learn and practice basic Japanese greetings, simple words and phrases, and the basic grammar.
- **Lecture 2:** *Introduction to Japanese II.*
Instructor: Professor Yoko Matsuda, University of Hyogo.
Abstract: In this class you will learn basic Japanese writing system: Hiragana and a few simple and necessary Kanji (Chinese character), so that you could understand some important signs you will often come across while staying in Japan.
- **Lectures 3-5:** *Cross Culture New Business Creation Workshop.*
Instructor: Professor Tadashi Hirose, Osaka Prefecture University.
Abstract: Nobody denies the importance of Innovation. Innovation is to create new value. Practice creation of innovative new business. And learn skills to become an entrepreneur, including Idea creation, Leadership, Business-model building, and Presentation. Students from Osaka Prefecture University will also participate in this class and will collaborate to overcome cultural differences between Japan and the United States. The issue is "creation of new tourism business." Specifically, divide the class into several groups of people, take a walk-in sightseeing spots such as Kyoto, find problems in the tourism industry there, and create solution ideas.
- **Lecture 6:** *Japanese culture and communication.*
Instructor: Professor Yoko Matsuda, University of Hyogo.
Abstract: In order to deepen your understanding of Japanese culture and society, you will learn social values and cultural behavior of Japanese in regard to communication styles. You will discuss and analyze the cultural differences based on the questions you'll bring to the class.
- **Lecture 7:** *Introduction to Japanese Religions.*
Instructor: Professor Yoshiko Oda, Kansai University
Abstract: At first, the history of Japanese religions is roughly overviewed, such as Shinto, various sects of Buddhism, Confucianism, and new religions founded after Meiji Era. Then, basic teachings of each religion are briefly explained. Most Japanese, both past and present, usually belong to two or more religions, which Joseph M. Kitagawa once described in terms of "the division of religions" in Japanese religions in his *The Religions of the East*. This is the most salient characteristic in

Japanese religions, which most monotheistic believers hardly understand. I try to explain how the division of religions appeared and has been maintained.

- **Lecture 8:** *Forty years' experience on R&D and education of Systems Sciences.*

Instructor: President Hiroshi Tsuji, Osaka Prefecture University

Abstract: In order to appeal the importance of system thinking, I will review three cases and introduce the education in Osaka Prefecture University. The system thinking in my context includes long term view, wide range view and upside-down view. Even if the techniques do not seem to be available for practical use at first, it often becomes available once the TPO (Time, Place and Occasion) change. If one has only a hammer, he can only look for nails to solve his problem. However, if he has a variety of tools, he has also chance to select a right tool to solve his problem. Case 1 relates to the regression model. When I joined Hitachi, Ltd., I encountered the problem for resource allocation. Although our approach based on regression model did not work then, we apply this technique to risk analysis on offshore outsourcing twenty-five years later. Case 2 related to version space proposed in the middle of 1980's. When I learned this technique at CMU, I cannot imagine which domain the technique can be applied to. However, as I learned it, I could apply this idea to develop an expert system for program tuning. Case 3 related to interpretive structural modelling which I learned while I was a graduate student. Now we have chance to apply this technique to a big data on learning log. Finally, I will introduce some photos which are metaphor of system thinking.

- **Lecture 9:** *To enjoy various ANIME works.*

Instructor: Minoru Komatsubara, Okayama Shoka University

Abstract: This lecture aims to let you have find some knowledge that is helpful to enjoy various ANIME works. Some clues which help you overlook the Japanese culture and industries relating ANIME will be shown to you. The contemporary history of Japanese ANIME will be first Introduced. Then some works of ANIME will be categorized in a way which makes you understand the variation of ANIME. Several works which are recommended you to try will be introduced.

- **Lectures 10-11:** *Workshop of System Thinking with Embry-Riddle Students.*

Instructor: Professor Toshihiko Sakai, Osaka Prefecture University

Abstract: Forming several groups with graduate students of Osaka Pref. Univ. and Osaka City Univ., the workshop will be held by the following procedure. At first, set a target (system or product or service) by each group. The target can be any one. The point of the workshop is not the selection of the target but the process of the analysis. However, the target should be what every member of the group knows and it should not be a complicated one, which has too many factors to analyze in the limited time.

Good examples: Beverage vending machine, Coffee maker, Treadmill Bad examples: Mobile PC, Virtual game, Water treatment system Secondly analyze the target and divide into components or factors, carefully using "MECE". While you analyze, bear the purpose or the profit of the target in mind. Then, pick up the base technologies and/or base parts connected to each component or factors. If you put a new technology, transferred technology, or new idea of new application on the above diagram, you will be able to find how your idea improve the system or put a new profit for the target.

In these discussions the system thinking will be introduced as a method to look complicated phenomena, to comprehend Value Creation and to be a route for the innovation.

- **Lecture 12:** *The strong in meta-worlds —from Mighty Atom to Tale of The Princess Kaguya.*

Instructor: Kazuo Kuki, Okayama Shoka University

Abstract: The first domestically produced animated cartoon in Japan, Astro Boy, could be found with the story characteristics by which the Japanimation have been originally characterized. In “the blue knight”.i.e.an episode of Astro Boy, it appeared remarkably as the realization of the right and wrong, which was not to mind in pursuit of reality. Astro Boy was an example of animated cartoons heaped with bad reputations of the coarseness in the real society, but, in the meta-world, was able to establish the predominance of the ideological quality. In regard to Astro Boy the mighty Atom televised from 2003, as in a renewed “the blue knight”, its story was regulated by the cord of global standards. But the new mighty Atom reduces the story characteristics in inverse proportion to high quality of a picture. Needless to say, the Japanimation seem to be delayed in originality today. In contrast, the movement to activate it comes out of the route that is near to conceptual art. For example, “The Tale of the Princess Kaguya”, being one case of animated cartoons, betrays the expectation of the audience without changing a plot of "The Tale of the Bamboo-Cutter" and given by minimum transformation in, so to speak, "honka-dori", i.e. an allusive variation. Therefore, the basic story that anyone knows reappears so as to give the story a new life, which is a trial of new art.

GOALS:

Students will be familiar with an overview of Japanese society, religion, and culture, as well as the central concerns of Japanese society with some of the main approaches to study them.

Students will learn how a different culture/country approaches and communicates tasks.

LEARNING OUTCOMES:

At the completion of the course, students will be able to:

1. Aware of an overview of Japanese society, religion, and culture.
2. Gain knowledge and understanding of various issues in the modern Japanese society
3. Raise intellectual curiosity about Japan in relation to other societies.
4. Gain intercultural and reflective understanding of the social and cultural issues in a globalized environment

ROLE OF INSTRUCTOR

It is important to stress attention to the fact that your professors' role is not that of a tour guide or that of a personal caretaker. Rather, it is to lead the course and to organize field trips and travel associated with the course. You will need to demonstrate maturity, self-reliance and responsibility.

STUDENT CODE OF CONDUCT FOR THE PROGRAM

- I. By enrolling in the Study Abroad Program, you are automatically subject to rules of student conduct. At all times, your conduct should reflect an attitude of mutual respect and commitment to educational excellence representative of ERAU students. Participants should know and always be aware that;
- II. Each student will be subject to the laws or customs of Japan as well as to the applicable standards of conduct as outlined in the 2012-2013 Student Handbook.
- III. ERAU is not responsible for the violation of any law by the student.
- IV. ERAU does not assure the U.S. standards of due process apply in other countries nor can it provide or pay for legal representation or bailing fees.
- V. Orientations and other planning cannot cover all situations that may arise during study abroad.

ABSENCES FROM THE HOTEL

If you plan to be away from the hotel/hostel where the group is staying after 10:00 pm, or travel away from the hotel on weekends, you must e-mail your plans to Dr. Tsutsui and/or Dr. Zanolin with a complete itinerary of the dates and times you will be absent along with locations you will be visiting. Also, please provide contact information for the hotels/hostels/friends where you will be lodging each night. In case of emergencies, we **must** know where you are at all times.

IMPORTANT ATTENDANCE POLICY

Punctual attendance is mandatory in all courses. Being more than 20 min late constitutes an absence, and **more than two unexcused absences will lead to a failing grade.**

Even if you are no officially registered for RS 399, you are required to attend the class. After all, this is the class to learn about Japan!

DRUG AND ALCOHOL POLICY

While on the program, you will abide by all rules and regulations of Embry-Riddle Aeronautical University concerning the use of drugs and alcohol as outlined in the ERAU Student Handbook. Consuming alcohol or abusing drugs will NOT be tolerated during school sponsored activities or in the hotel and can result in immediate withdrawal of the student from the program with no right to any refunds. The student may also be put on probation or expelled from school as determined by Embry-Riddle Aeronautical University.

While abroad, you are subject to the respective laws of each country. Please note that in Japan penalties for drug use or possession are more serious than in the U.S. and could result in imprisonment or deportation. The legal age for drinking alcohol is 20.

HARRASSMENT

Participants should immediately contact either Dr. Tsutsui, Dr. Zanolin, Dr. Kelly O'Brien 928-777-3774, Director of Study Abroad - Prescott Campus, or Mr. Larry Stephan 928-777-3770, Dean of Students – Prescott Campus, if they believe they are being subjected to harassment, sexual or otherwise, during a study abroad program.

SMART PHONE AND COMMUNICATION APP.

Whole your hotel has a free Wi-Fi, it is most convenient to carry your own portable Wi-Fi device. For example, GlocalMe (\$150 on Amazon) works very well in Japan. With such a device, considering you will be associating with students from OPU and considering in case of emergency, we would also recommend installing “Line app” (free) on your phone. It is one of the most popular communication software and you can easily text or call through the app.

To call from Japan to the United States, dial 001 + area code + number.

Travel Information

Flight into KIX or ITM is recommended. From either airport, the easiest way to the hotel is to take a bus:



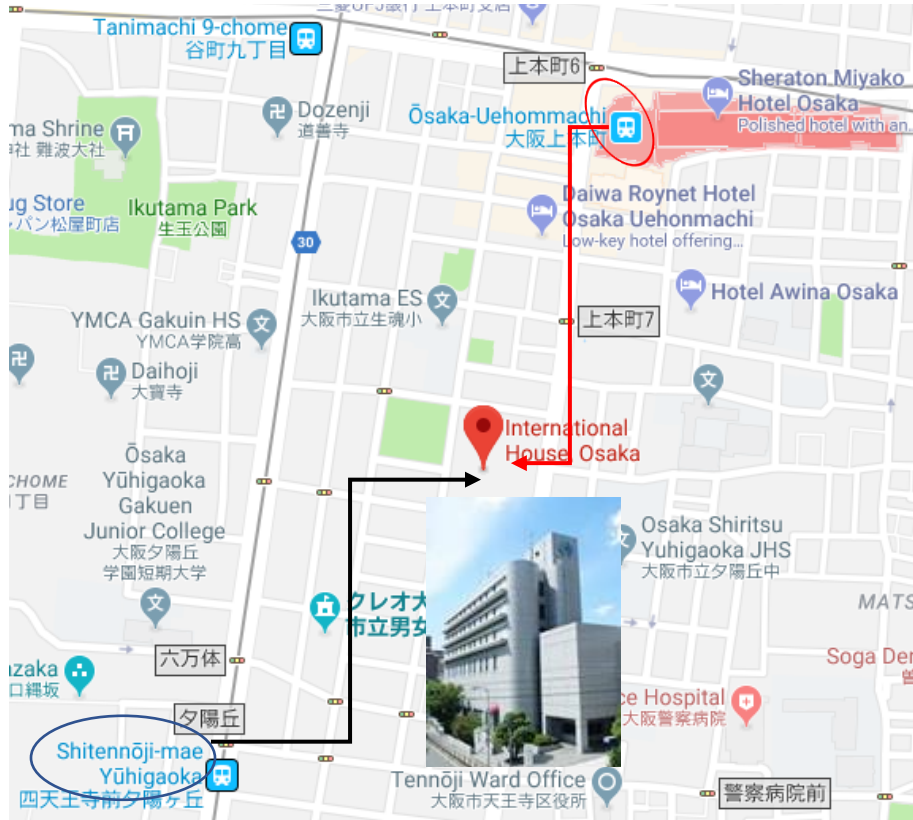
1. Your destination is: Kintetsu Uehommachi (Sheraton Miyako Hotel Osaka).
 - From KIX: Bus runs every 20 ~30 min, approximately \$15 (this is not included in your fee)
It takes approximately an hour to Uehommachi.
<http://www.kate.co.jp/en/>
 - From ITM: Bus runs every 20 ~30 min, approximately \$7 (this is not included in your fee)
It takes approximately 35 min to Uehommachi.
http://www.okkbus.co.jp/en/timetable/itm/f_ueh.html
 - From NRT: take train (Shinkansen) to Shin-Osaka, take Subway to Shitennojimae-Yuhigaoka
(You need to change train at Tennoji station)

For buying the ticket and/or exact location to catch the bus, just go and ask at the airport's information desk.

2. There is a service to bring your luggage from the airport to the hotel. If interested, just ask at the airport's information desk.

<http://www.global-yamato.com/en/hands-free-travel/scene02.html>

- From the Uehommachi station to the hotel (Hotel International House Osaka, or in Japanese, Kokusai Koryu Hoteru, is approximately 6 min walk. From Shitennoj-mae Yuhigaoka, it takes 8 min walk.



- Everyone will receive a month pass for the subway and the city bus on May 14th, prior to going to OPU. The cost of this pass is included in your fees.



- Everyone will receive a week pass for JR (train to any part of Japan) on Jun 7, prior to going to Kanazawa. The cost of this pass is included in your fees.



THINGS TO DO

There are just so many things to do. Here is a website that might give you some idea:

https://www.expedia.com/things-to-do/search?location=Osaka®ionId=2697&keyword=ZzZz.4990000148457.e03a03e2-5619-4977-ba94-2704887bf5d4&semcid=us.multilob.google.dl-c-en.tshop&semctl=a1365702178.b135235941942.d1185739847621.e1c.f11t1.g1aud-296138787069:kwd-751837301.h1b.i1.j19029982.k11009540.l1g.m1.n1&gclid=EA1aIQobChMI1sLKwKir2gIVgrXACH2hTg-tEAYASAAEgKOxofD_BwE

PLACES TO VISIT

There are just so many places to visit. Here is a website that might give you some idea:

<http://www.tommyyooi.com/osaka-attractions/>



DEPACHIKA

Other than convenient stores like Seven-Eleven (which by the way sells inexpensive but good food!), you won't see too many supermarkets anywhere at ground level. However, restaurants are not the only places for you to find things to eat: make sure to visit DEPACHIKA (There is one within a short walking distance from Hotel International House). Just below the surface in the basements of any major department stores are food wonderlands known as depachika (literally department store underground). Most of these are so large that they're considered food theme parks of sorts. They often consume 1 or 2 entire floors. Depachikas are a great place to pick up bento, snacks, groceries, gifts, souvenirs and desserts.



CLIMATE

From mid-May to early June, and from late September to early October are the best time to visit Japan. Average temp is about 70 F, and it is not as humid as other periods in Japan. However, sometime in June, most parts of Japan get visited by a rainy season, the so called **tsuyu** (or baiyu), literally meaning "plum rain", because it coincides with the season of plums ripening.

Hopefully we will be all done before tsuyu season starts. Nevertheless, I should point out that some sights can be very attractive in rain, especially some temples, gardens and hot springs. All you need to enjoy traveling in the rain, is the right attitude.



ACCOMMODATIONS

- Hotel International House Osaka (5/13 ~ 5/26)

You will stay in a single room by yourself. It is a typical Japanese “business hotel.” Rooms are clean but VERY small and old. Hotel is located in a very convenient area in many aspects. Breakfast is included but not fancy.



Address: 8-2-6 Uehommachi, Tennoji-ku, Osaka 533-0001, Japan

E-mail: front@ihho.jp

TEL 06-6773-8181

<https://osaka-info.jp/en/page/hotel-international-house-osaka>

- R&B Hotel Shinosaka Kitaguchi (5/27 ~ 6/6, 6/10 ~ 6/13)

You will stay in a single room by yourself. It is a typical Japanese “business hotel.” Rooms are clean and new but VERY small. Hotel is located near Shinkansen’s Osaka station and within the station, there are many places to eat or buy food. Breakfast is included but just breads, eggs, and drinks.



Address: 1-7-10 Miyahara, Yodogawa-ku, Osaka 532-0003, Japan

TEL:06-6399-2828

<http://randb.jp/en/shinosaka/>

- Blue Hour Kanazawa (6/7 ~6/8)

Dorm with designed POD style beds. Each bed is enclosed by walls on three sides and curtains at the foot, which makes you feel quite private despite being a big dorm room

Address: 3-3 Konohanamachi, Kanazawa, 920-0852, Japan

TEL: 080-3749-7657

<http://bluehourkanazawa.com/?lang=en>



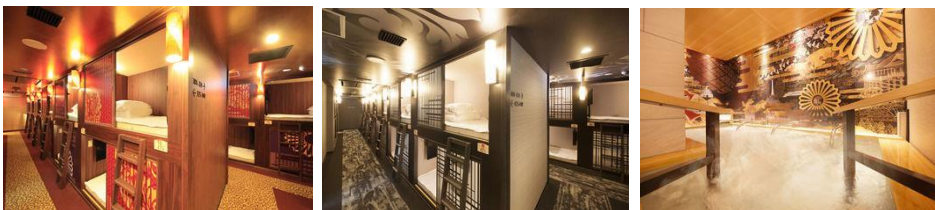
- Centurion Cabin & Spa Kyoto Shijo (6/9)

Like Blue Hour in Kanazawa, this is also a dorm style, so called “capsule hotel.” Located in Central Kyoto, it is within a mile of Nijo Castle and Gion Corner. It is also close to Kyoto Imperial Palace and Kiyomizu Temple, as well as the national manga (cartoon) museum.

Address: 68-2, Tachiuri Nishimachi, Shimogyo-ku, Kyoto, 600-8007, Japan

TEL 075-708-6657

<http://www.centurion-cabin.com/kyoto/>



BUDDY SYSTEM

It is strongly recommended that you abide by a buddy system, always hanging out or touring with at least one other person from the group and look out for one another.

WHAT TO BRING:

In addition to your main suitcase with rollers, you need to bring some smaller bag or backpack for our field trips. It should be able to contain things for a few days' trip. You also need to bring a laptop or tablet with Excel (will be explained why.)

MEALS

A breakfast is included at all hotels except for the two nights at Blue Hour Kanazawa. As for lunch, it is included for the days when we have lectures at OPU (16 days). A meal card will be provided on the first day and you can buy anything for 1000 yen (1000 yen is approximately \$11 and it is more than enough to buy lunch) per day. However, if you do not use up 1000 yen for a day, it will not carry over to the next day. You can use the card at several restaurants and café within the university while you are on campus (no time restrictions). **The pictures on the next page** are the café, bakery, restaurants where you can use the meal card.

You are responsible for your own dinner. If you did not spend 1000 yen at the university, you could take out some sandwiches back to the hotel perhaps adding a few extra yen. There are, however, more restaurants in Osaka than cacti in Phoenix. As noted earlier, try Depachika as well. I would estimate \$8 ~\$25 per dinner depending on what, where, and how much you would eat.

TIPPING

You do not tip in Japan. Noone will accept it.

LAUNDRY

There is a nice laundromat adjacent to the Hotel International House. R&B Hotel has their own machines but there are only a few. There is also a laundromat nearby. Centurion Cabin & Spa has several machines within the hotel. A good estimate maybe to bring clothes for somewhere between a week and two weeks.

▶ 生協食堂 — ミールカードの利用できる店舗

※各店の営業時間は授業期間中のものとなります。

fudining B12棟

平日/8:15-20:00(ラストオーダー19:30)
土曜/11:00-14:00(ラストオーダー13:45)

中百舌鳥
キャンパス



730席あるメイン食堂。

おかず・麺・丼コーナーは日替わりで提供しています。小鉢やサラダバーが人気でお好みの量を手軽にご利用いただけます。季節メニューや産地にちなんだメニューなど企画商品も充実しています！

セリーゼ B12棟

平日/10:30-15:30
土曜・日祝/閉店

中百舌鳥
キャンパス



ボリューム満点の Pasta・オムライスが人気の喫茶店。

テイクアウトカウンターも併設し、フライドポテトやコロケなども販売しております。※カウンターはミールカード利用外。

ミナーレ 学術交流会館内

平日/11:30-14:30 土曜・日祝/閉店

中百舌鳥
キャンパス



落ち着いた雰囲気のあるレストラン。

手作りハンバーグ定食が人気で、食後のコーヒーも併せて利用される方が多いです。2種類の日替わり定食も好評です。

ベーカリー B12棟

平日/9:00-16:30 土曜・日祝/閉店

中百舌鳥
キャンパス



サンドイッチや焼きたてのパンが人気です。各種ドリンクも取り揃えており、コーヒー、ラテが人気です。季節メニューやオリジナルパンも好評です。

テイクアウト販売場所

B13棟 シュライク 平日/11:00~13:00 土曜/閉店
B3棟 平日/12:00~12:30 土曜/閉店
※シュライクのみミールカード使用可

中百舌鳥
キャンパス

週替わりで300円・350円の弁当やサンドイッチを販売しています。

お昼にはあったか弁当やカップサラダ、サンドイッチ等テイクアウト商品を展開しています。ドリンクやデザート、府大で栽培しているレタス「学園菜」も販売しています。



HOST INSTITUTION

Our lectures will be held at Osaka Prefecture University (OPU). We will be at their main campus located in Nakamozu.

Here is a nice video: their campus from the sky:

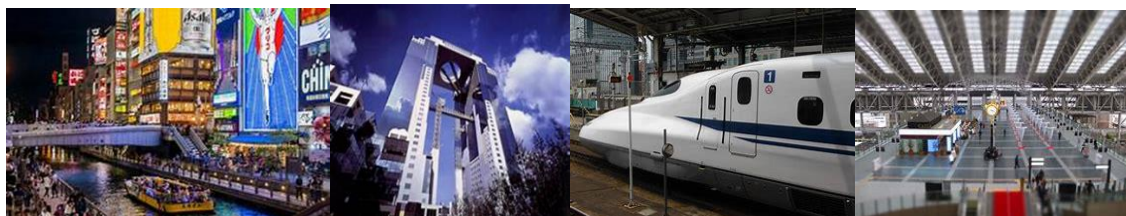
<https://www.bing.com/videos/search?q=%e5%a4%a7%e9%98%aa%e5%ba%9c%e7%ab%8b%e5%a4%a7%e5%ad%a6%e4%b8%ad%e7%99%be%e8%88%8c%e9%b3%a5&view=detail&mid=6D7EFE395D34D47EEE746D7EFE395D34D47EEE74&FORM=VIRE>



It takes approximately 35 min by subway from Hotel International House: change train at a major station (Tennoji) where millions of shops and restaurants, as well as a famous park is around. There is also a city bus that runs between Tennoji station and the hotel.



It takes approximately 40 min by subway from • R&B Hotel: While you do not change trains from this hotel, the train passes through stations in two major downtown Osaka: Nanba/Shinasibashi and Osaka/Umeda.



OPU has one of the largest campus areas in Japan. OPU is specially superior in the engineering science field. OPU has four school festivals namely "Yuko festival", "Tanabata festival", "Anju festival" and "Shirasagi festival." The Yuko festival will be held in May 26 and 27 this year, where many freshmen set

up refreshment booths and make friends in this festival, since "Yuko" means "friendship" in English. We are asked to set up our booth during the festival. SO think about some ideas to present ERAU-Prescott.

For each of you, there will be one to two students from OPU who will be introduced as "Buddies." We hope you will learn from them, and they will learn from you.

SPECIAL TALKS

1. *Access to Space (from Rocket to Space Plane)* **May 21, 2018 at 14:35**

Speaker: Takakage Arai (Professor of Aerospace Engineering, Graduate School of Engineering)

Abstract The future space transportation systems, that is fully reusable space plane, should have more reliability, economy and safety than the present rocket systems. The problems of the present rocket system, advantages of the space plane and engineering problems which should be settled in future will be discussed in this lecture.

2. 大阪人のアメリカ体験記 ～人種・言語の差異を乗り越え、国際社会に生きる～ **May 24, 2018 at 16:15**

Speaker: 筒井久弥 (Hisa Tsutsui, Ph.D.) 米国エンブリーリドル大学 理学部数学科

講演概要: 誰もが予想していなかったトランプ政権が現実となった。全く予想していないことが数学的な確率をごく簡単に乗り越えて起こることは実はよくあることかもしれない。幼いころ国際社会などには全く無関心であった私が今アメリカで生活しているのもただそういうことなのだろうか? 長年アメリカの大学で研究教育に従事し、日本とアメリカの文化・社会から体得した国際的な視野の持ち方、そして、異文化を生きるうえで大切に思えることなどを自らの経験と共に語る。

3. *Listening to the sounds of Space Time* **May 25, 2018 at 16:15**

Speaker: Michele Zanolin, Ph.D. 米国エンブリーリドル大学 理学部物理学科

講演概要: On September 14th 2015, humans were able, for the first time in history, to record the sounds of space time. It was from two black holes dancing around each other and eventually merging into a single black hole. This measurement also proved that space time is not an empty container but a jello that can support waves, in this case gravitational waves. This is a new era of astronomy and I will cover the current status (that lead to the Nobel prize in Physics in 2017), and future perspectives, with a focus on sounds from Supernovae.

FIELD TRIPS

1. Kyoto



2. Osaka Castle



3. Shitennoji



4. Sumiyoshi Taisha



5. Ancient Imperial Grave



6. Nara



7. Osaka Tsunami Museum



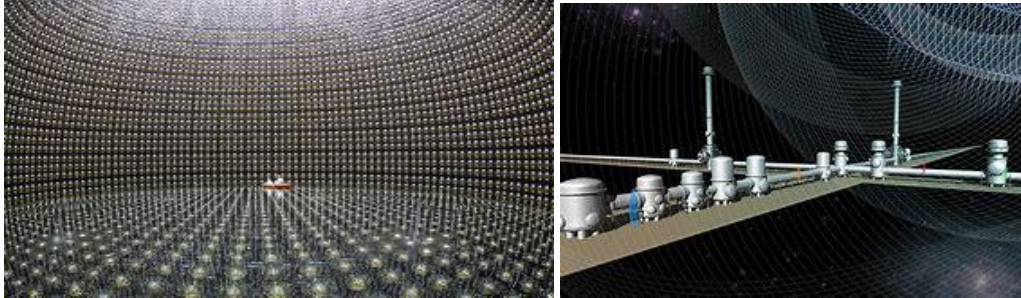
8. Riken/K-Supercomputer



9. Origami Museum



10. Super Kamiokande



11. Kanazawa



12. Hiroshima



13. Spring 8



ACKNOWLEDGEMENTS

We are exceptionally indebted to: President H. Tsuji, Osaka Prefectural University; Professor H. Ishihara, Osaka Prefectural University; Mr. M. Ookubo, Osaka Prefectural University, as well as all his staff members, Ms. M. Ino in particular; and Professor T. Nishinaka, University of Hyogo. Their most kind corporations have been wholeheartedly appreciated.

SURVIVAL JAPANESE

You will learn some minimum “survival” Japanese knowledge during the first period of RS 399.

Knowing a few Japanese words may break the ice when meeting new people in Japan.

- Hai (yes)
- Iie (no)
 - Be careful, however, sometimes they use “Iie” to mean yes, and “hai” to mean no.

- Arigatoh Gozaimasu (Thank you!)
- Sumimasen (Excuse me.) This also sometimes mean “I am sorry.”
- Ohayoh Gozaimasu (Good morning)
- Konnichiwa (Hello)
 - Maido: Osaka natives sometimes say “mydou” to mean “hello.” If you use this word to your new Japanese friend, it will give a smile to his/her face, certainly break the ice!

- Konban wa (Good evening)
- Otearai wa dokodesuka? (Where is the bathroom?)
- Matane! (See you!)

In many occasions, when you write out in English on a paper and show it, Japanese people would understand you much better than when you speak to them.

PARTICIPANTS

Peter Partoza ppartoza@gmail.com



Introduction: Studying Computer Engineering with minors in cybersecurity and mathematics. Second time traveling abroad, the first being in the UK. Enjoys reading, writing, drawing, watching Netflix, and is a huge fan of Overwatch. Attached is a photo of myself.

Ogata, Kakeru R. OGATAK@my.erau.edu



I am an aerospace engineering major and plan to minor in electrical engineering. I have been to Japan and Taiwan many times when I was little. My hobbies are magic and recently, chess and shogi.

Lee, Laura M. LEEL15@my.erau.edu



Hi, I'm Laura Lee. I'm studying Astronomy with a minor in Mathematics at Embry-Riddle Aeronautical University. In my free time, I enjoy going to music festivals and concerts, hiking, and hanging out with friends. I love trying new activities and foods! Although this is my first time visiting Japan, I have traveled to the Philippines, Canada, and Mexico.

Arminio, Vincent V ARMINIOV@my.erau.edu



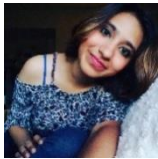
Hi, my name is Vincent Arminio, I'm a senior aerospace engineering major and also run cross-country and track at Embry-Riddle in Arizona. When I'm not studying or running, I enjoy traveling and spending time in the outdoors. I also enjoy drawing and viewing any and all art including architecture.

Nepute, Brandon T. NEPUTE@my.erau.edu



I am a freshman majoring in Cyber Intelligence & Security and minoring in Computer Science. I have never been to Japan, but I have been interested in Japanese culture for as long as I can remember. I spend most of my free time playing video games.

Chanpuriya, Shubhra CHANPURS@my.erau.edu



Hi! My name is Shubhra Chanpuriya and I am in my second year studying mechanical engineering-propulsion track. I am originally from India and can speak English, Hindi and basic French. I like discussing space sciences, air-breathing and rocket engines, classic English literature, philosophy and Bollywood movies! I want to experience the Japanese culture and take in the sights.

Nnamdi-nwosu, Ikedichi A. NNAMDINI@my.erau.edu



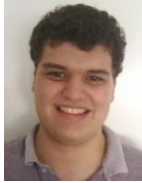
My name is Ikedichi Nnamdi-Nwosu (commonly called "E.K."). I am an Aerospace Engineering student with a minor in Mathematics. I have never been on a study abroad before but have traveled to various countries. I have never been to Japan before, but have always been interested in the Japanese language and culture, which is why I decided to come on this study abroad. I enjoy good food, music, watching anime, and playing ping pong.

Leng, Hongyu LENGH@my.erau.edu



Studying Computer Engineering with minors in cybersecurity and mathematics. Second time traveling abroad, the first being in the UK. Enjoys reading, writing, drawing, watching Netflix, and is a huge fan of Overwatch. Attached is a photo of myself.

Long IV, Charles J. LONGC19@my.erau.edu



I study Electrical Engineering. Third time in Japan. I read, listen to music, and play video games.

Westhouse, Jonathan W. WESTHOIJ@my.erau.edu



I am a freshman in Space Physics. I enjoy history, philosophy, and creative writing. As for hobbies I enjoy piano and video games. This is my second time abroad, my first being in the United Kingdom and France.

Richardson, Colter J. RICHAC15@my.erau.edu



I am a freshman dual majoring in Space Physics and Industrial/Organizational Psychology. I am an avid reader, and hiker who spends most of my time outside. I am traveling to Japan for the second time, and I hope to see different sights.

LaBate, Evan J. LABATEE@my.erau.edu



Studying Aerospace Engineering Astro course. First time travelling abroad. I enjoy writing, watching anime, listening to and making music, dancing. Am Team Manager and Player of D1 Rainbow Six Siege team for ERAU.

Quinonez, Pedro Jesus QUINONEP@my.erau.edu



Hello! My name is Pedro Jesus Quiñonez. I am a space physics student working on research studying gravitational waves. In my downtime I like talking to friends, playing video games, and watching movies

Bradley, Richard G. BRADLER6@my.erau.edu



Hello my name is Richard Bradley, I am a freshman at Embry-Riddle. I'm 19 years old and love watching, playing and talking about hockey.

Davey Orcutt davey@orcutt.org



I am David Orcutt, a mechanical engineer on the robotics track at Embry Riddle. Although I am a freshman in my degree program, since I began in fall of 2017, I am a senior based on credits. For leisure, I engage in internet based, informal research, weight lifting, and science fiction consumption/analysis.

Mercer, Brittany L. MERCERB3@my.erau.edu



My name is Brittany I'm 18 years old and have a family of 9 including my twin. I enjoy exploring and experiencing new things. I hope to have lots of fun and meet tons of new people.