JAPAN WOMEN'S UNIVERSITY

Faculty of Science

Follow Your Dreams to a Bright Future

Bloom as a leader.
Japan Women's University
Our Recommended Classes

We are the navigators.

I study every day to become a mathematics teacher who can bring mathematics to life and show how fascinating it can be.

In the future, I want to be a job that allows me to leave my mark on chemistry to contribute to society.

My study focus is on environmental science and I want to stay involved in this field a lot and for a longer period of time.

Weaving the Microscopic World

You will observe various cells and tissues using the most advanced electron and fluorescence microscopes. It was so interesting when I saw the spectacle of the beautiful micro-world. Many professors and instructors provided very thorough training on how to use those devices, and even though they are complicated, everyone learned the skills very quickly.

Our Recommended Classes

Physics Experiment II

You will learn various physics phenomena such as Fourier transform, luminescence, photoelectric effects, and polarization. You can experience physical phenomena in a way that’s impossible in a classroom or lecture setting, and gain a much deeper understanding of these phenomena.

I feel great when my experimental results match my theoretical values.

Experiments in Inorganic and Analytical Chemistry

Chitosan is a traditional craft technique. In this class, you will experiment with the creation of chitosan through the study of chemistry. The experiments will teach you about the compounds used in coloring components of chitosan and how chemical reactions occur in the production process.

Clay and its composition of substances through light absorption is a lot of fun.

My recommended Class

Chemistry

My recommended Class

Mathematics

You will gain a much deeper knowledge of mathematics.

Differential Geometry

You can examine figures by using differential and integral calculus, without drawing them or even looking at them directly. At the university level, in many cases, it is difficult to draw figures expressed by complicated differential equations. But it is very attractive to capture features by using differential and integral calculus. The course is hard, but don’t worry, the professor will explain everything in an easy-to-understand way.

My recommended Class

Biology

The class makes you feel like a researcher.

Mejiro-sai Festival

At the Mejiro-sai Festival, sophomores and juniors are the main research presenters. They do research on their own time during summer vacation and after class, and present the results to festival visitors. At these festivals, you will have opportunities to experience many things you would never encounter otherwise.

Parallel polyhedron

Silver mirror reaction

Optical fibers

Microscope observation

Generating electricity by polishing a blade

Optical wireless communication
A Week in the Life of a Freshman in the Department of Mathematical and Physical Sciences

1st Period
7:30 Wake up
8:30 Leave home
My first class of the day is a morning 1st period, so I can take my time getting to school. Since I have a long commute to school, I often make effective use of that time by reading a book or preparing for experiments while I am on the train.

2nd Period
Organic Chemistry Seminar I
10:40 – 12:10
I put a lot of effort into the assignments I have to submit every week.

Lunch Break
I have lunch with my friends in the campus cafeteria.

3rd and 4th Periods
Physical Chemistry Experiment I
13:00 – 16:10
I spend some time analyzing data from the experiments and writing a lab report in the PC room. After that, I sometimes take a coffee break before my next class.

5th Period
Chemical and Biological Sciences Preliminary Seminar I
16:20 – 17:50
It is a small group class with about 10 students, and we take turns reading English reference materials.

A Year in a Mathematics and Physical Sciences Laboratory

April

The semester for new seniors begins.

May

At events like final (dissertation) papers and defenses, you will have opportunities to interact with students from other universities.

August

You have the opportunity to participate in an international conference in Athens. The question-and-answer sessions are held in English. This is a very valuable opportunity.

September

Training camp

November

You will have opportunities to exchange ideas and engage in dialogue with students in other laboratories on a regular basis.

December

The final presentation is held at a hotel near the university campus to promote exchanges with local students.

February

You will showcase your research results when you present your graduation thesis or Master's thesis.

March

After the graduation ceremony at the Main Campus, an reception is held at a different location.

And a variety of other events...

Birthday party

PC room

Lounge

Mathematics Club activities

Using my free time to work on a paper

A Week in the Life of a Junior in the Department of Chemical and Biological Sciences

Period
1st
2nd
3rd
4th
5th

Mon
Environmental Science I
Animal Physiology I
Plant Physiology I
Working on a project in the lab
Working on a project in the lab

Tue
Mathematics and Nature
Physical Chemistry I
Electron Microscopy
Conservation Biology
Club activities

Wed
Biology
Advanced Counts
Experiment in Plant Physiology
For clean, working

Thu
Part-time job at cafe
Free time

Fri
Part-time job at cafe
Part-time job in Animal Physiology I
Club activities

Sat
Geosciences
Free time
Part-time job teaching at cram school

Our Campus Life
A dormitory is available on the Mejiro campus.
We asked Department of Science students who live there to share some thoughts on dorm life.

- Upperclassmen taught me how to write up a lab report on an experiment and master numerical processing methods.
- Some of the seniors taught me what to expect on tests based on trends in the past exams, which really helped me study more effectively.
- The dormitory is close to the university, so the commute is really short and I can use my time more effectively.

For details, visit us online at:
URL http://www.jwu.ac.jp/unv/faculty_department/science/about/
For more information on entrance exam guidelines, send in the card on the last page of the faculty guide (Guide 2017).