

MODERN AND HERBAL MEDICINE: INDONESIAN PERSPECTIVES

COURSE PACKAGE FOR ADVANCED BACHELOR'S STUDENTS



School of Pharmacy



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UNDERSTANDING IMPLEMENTARY & ALTERNATIVE MEDICINE

This program will be interesting because in western countries treatment is only on drugs that have been clinically proven, and therapeutic. By participating in this lecture, from a scientific aspect, there are actually implementable and alternative medicine, there are other medicines from local wisdom and are indeed used regularly by the community to help them recover from illness, in addition to medicines that have become standard. This context is what I really want to bring up, that there are other treatments that can be used as alternatives for patients.

The knowledge that will be obtained apart from modern medicines, they can also know the ins and outs of pharmacy from medicines that are more traditional in nature, including herbs. In terms of skills, because they will be involved in lab work, they will have more hands-on who will later be able to hone their lab skills in the pharmaceutical field.

ETHNOPHARMACOLOGY & MARINE PHARMACOGNOCY

Ethnopharmacology lecture studies people's preferences in using traditional medicines. Marine pharmacognocny studies the utilization of biological products in the sea for use as therapeutic products. Then there is veterinary pharmacy on how pharmaceutical products are developed for vets/pets or livestock. Then we also have disaster mitigation in pharmacy, so how to handle disasters, how pharmacists can be involved in disaster situations, help in critical situations, Indonesia is a good example of that. The lecture can be an interesting topic for them to take.



VISITING TRADITIONAL MEDICINE INDUSTRY

There is an emphasis on the Indonesian aspect, there are some activities that are not directly related to academics but can add to their experience when visiting Indonesia. Interactions are not only at the campus level, not only with lecturers and with fellow students but also with the general public, to the village. Then to tourist spots too. We will also use a buddy system in collaboration with associations, so when they have a problem and need coordination, there will be a peer they can ask questions from.

The highlight of this program is the site visit to the place of traditional medicine, so that they can get an idea that producing traditional medicine is not arbitrary and there are standards so that it can be used in conjunction with modern medicine.

The highlight of community development, that we can know the use of modern medicine together with herbal medicine in the community so that they can support each other. Then from experience, of course from cultural exposure, community development, site visits, it's actually included in the form of experience later on, how class-based and lab work applied in the real world.



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- Food Safety Analysis (2 Credits)
 - Drug Stability (2 Credits)
 - Chromatography and Electrophoresis (2 Credits)
 - Radiopharmacy (2 Credits)
 - Analytical Toxicology (2 Credits)
 - Analytical Microbiology (2 Credits)
 - Marine Pharmacognosy (2 Credits)
 - Plant Tissue and Cell Culture, and
 - Secondary Metabolite Biosynthesis (2 Credits)
 - Pharmaceutical Polymer (2 Credits)
 - Cosmetics Technology (2 Credits)

- Sport Physiology (2 Credits)
- Hematology (2 Credits)
- Pharmacological and Toxicological Methods (2 Credits)
- Parasitology and Virology (2 Credits)
- Clinical Toxicology (2 Credits)
- Immunotherapy (2 Credits)
- Medical Nutrition Therapy (2 Credits)
- Pharmacovigilance (2 Credits)
- Molecular Diagnosis Clinical Applications (2 Credits)
- Pharmacogenomics (2 Credits)

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- Synthesis of Drug Compounds (2 Credits)
 - Principle of Halal Assurance System in Pharmacy (2 Credits)
 - Cell Therapy & Tissue Engineering (2 Credits)
 - Future Recombinant Therapy (2 Credits)
 - Kapita Selekt Farmasetika (2 Credits)
 - Veterinary Pharmacy (2 Credits)
 - Nanopharmaceutics (2 Credits)
 - Crystallography (2 Credits)
 - Ethnopharmacology (2 Credits)
 - Capita Selecta of Pharmaceutical
 - Biotechnology (2 Credits)

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- Digital Clinical Pharmacy (2 Credits)
 - Disaster Mitigation in Pharmacy (2 Credits)
 - Health Technology Assessment (HTA) (2 Credits)
 - Pharmaceutical Entrepreneurship (2 Credits)
 - International Exposure in Pharmacy (2 Credits)
 - Independent Learning (2 Credits)

REGISTRATION PROCEDURE

- ▶ If you are a student from ITB's partner universities, have your International Office nominate you to

- iro@itb.ac.id

- ▶ If you are a student from non ITB's partner universities, you can submit your application directly to

- <https://admission.itb.ac.id/registration/nonreguler/>

- ▶ If you do not wish to take course packages, you can also take courses as standalone courses. You can check the list of courses here:

- bit.ly/ITBInboundCourses

- ▶ If you need more information, please check following:

- <https://bit.ly/ITBInbound>

Contact Information:
iro@itb.ac.id or drop a ticket

<https://helpdesk.six.itb.ac.id/>

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