

ADVANCES IN MEDICAL BIOTECHNOLOGY

COURSE PACKAGE FOR ADVANCED BACHELOR'S STUDENTS



School of Life Sciences and Technology



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ENRICHMENT OF MOLECULAR RESEARCH, VACCINE TO ANIMAL TESTING

ITB has developed molecular and health research and since the COVID-19 pandemic, COVID-19 vaccine research has also been developed. The knowledge that will be obtained is mainly enrichment of insight about medical biotechnology and additional skills in the field of medical biotechnology. Advances in Medical Biotechnology is facilitated by the SITH study program at ITB Ganesha, namely biology and microbiology, the subjects of the two study programs.

The enrichment of experience will utilize the genetic and molecular labs and the microbiology lab, as well as other labs, such as the animal development lab. We usually develop lab activities based on the interests of students, for example, by default we take them to the genetics and molecular lab, then also to the microbiology lab, but for example the students are also interested in animal testing, later we can facilitate as long as they are in the realm of related topics.



COMPLETE EXPERIENCE

The advantage of this program is that apart from taking lectures, we enrich students with several programs, namely

- research buddies to gain experience in the lab by pairing with final project students.
- Meet local people who are fostered by SITH, so they can see the correlation in the field. For example, those related to health in the field regarding community development on stunting.
- At the industrial visit, it is hoped that they can gain insight into related industries in Indonesia, usually we go to Biopharma to see the process of making vaccines, and have also been to the UNPAD Education Hospital to see research related to vaccines.
- In addition, there are activities with association to get to know more about student activities at ITB.

This package provides 13 credits for bachelor level, spread over in 6 courses from Biology and Microbiology study programs, which are:

- Method in Biomedical Analysis 3 credits
- Stem Cell Biology 2 credits
- Immunology 2 credits
- Microbiomic 2 credits
- Application of Microbial Pathogenesis in
- Biotechnology 2 credits
- Diagnostic Microbiology 2 credits

Participants are also encouraged to enroll in various other courses at ITB with up to 18 credit points in total.



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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