



THE MODULE HANDBOOK

FACULTY OF BIOLOGY

Human Biology/Physical Anthropology

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| Module code | BIO 41102 |
| Module level | 3 rd year of Undergraduate Program in Biology |
| Abbreviation, if applicable | - |
| Sub-heading, if applicable | - |
| Courses included in the module, if applicable | - |
| Semester/term | Even |
| Module coordinator(s) | Dr. Neni Trilusiana Rahmawati, M. Kes. |
| Lecture(s) | Dr. Neni Trilusiana Rahmawati, M. Kes. |
| Language | Indonesia |
| Classification within the Curriculum | Elective course |
| Teaching format/class hours per week during the semester | This course is organized into one class and planned to have 14 teaching weeks and 2 weeks of examination. |
| Workload | Estimated working hour: 10,5 hours/week. |
| Credit points | 2-1 credits |
| Requirements | Animal Systematics (BIO 31101) |
| Learning goals/competencies | 1. Knowledge and understanding <ol style="list-style-type: none">Understand and be able to apply concepts and theories in the field of human biology/physical anthropology.Understand human variation in space and time.Having ability to perform measurements of the human body and the human skeleton.Understand the basics of human biology based on adaptation and distribution of racial and demographic.Understand and be able to apply anthropological techniques in human life.Understand and be able to apply the scientific method of human biology, especially in relation to human variability. |



THE MODULE HANDBOOK

FACULTY OF BIOLOGY

2. Ability/intellectual skill

- a. Planning, doing, analyzing and reporting a scientific research in the human biology laboratory practice and research.
- b. Integrating and evaluating information and data from many resources.
- c. Analyzing and resolving problems in the human biology study either individual or within group.
- d. Students have an ability to adapt on laboratory and fieldwork situation during research.

3. Practical skill

- a. Analyze the experimental research and test the results.
- b. Students have capability on measuring parts of human body by anthropometry method during laboratory practice and field work.
- c. Understand and be able to define the concept of anthropometry and somatotype for conducting research on human biology.
- d. Students have knowledge to identify race, sex, age, and estimate body height.

4. Managerial and transferable skill

- a. Conducting communication effectively, either written, oral or with images.
- b. Applying the mathematical, chemical, physics into biological study.
- c. Applying and integrating biology into other science branch.
- d. Study independently either in new area or recognized field with open spirit and critical thinking.

5. Attitude

- a. Ability to write, report and communicate the research results either orally or written
- b. Ability to resolve problems and finding resolution which connected to their specialty.
- c. Respect the originality of an idea, concept and other discoveries.
- d. Professional responsibility and scientific ethic as biological scientist to the scientific progress.

Content

Human biology or physical anthropology studies about physical characteristics of human being in different time and space; as well as studying the interaction between genetics and environment. The materials studied included human morphological variation, anthropology of growth, dermatoglyphy, adaptation and rasiology, nutritional anthropology, osteology, odontology, identification of skeletal human remains, demographic anthropology and



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| | <p>applied anthropology. This course also learn about the theory and practice of measurement and human identification through dermatoglyphy, anthropometric and identification of skeletal, either on sex, age, height and the human race. This course is useful to improve knowledge and skills in the study of human being as a biological and cultural organism.</p> |
| Study/exam achievements | <p>1. Theory</p> <ul style="list-style-type: none">a. Midterm: 30 %b. Final examination: 40 %c. Assignment and attendance: 15 %d. Quiz: 10 %e. Activities: 5 % <p>2. Laboratory work</p> <ul style="list-style-type: none">a. Pretest: 20 %b. Weekly reports: 25 %c. Activities: 15 %d. Final test: 40 % |
| Forms of media | White board, notebook, specimen, LCD |
| Literature | - |