

Module Handbook

Modul Name	Endocrinology
Modul Level	Bachelor
Abbreviation, If applicable:	BIE 323
Sub---heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Even
Module Coordinator	Dr. Dwi Winarni, M.Si.
Lectures	Sugiharto, S.Si., M.Si.
Language	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course / Elective Studies
Teaching format/ class hours per week during semester	300 minutes/ week
Workload per semester	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit point	2
Requirements	Animal Histology and Plant Anatomy (Practical Work)
Learning goals/competencies	<p>General Competence (Knowledge) Students understand the relationship between the hormonal control mechanism, physiological and pathological changes; techniques to control the hormone properly</p> <p>Specific Competence</p> <ol style="list-style-type: none"> 1. Understanding and explaining ADH and Oxytocin 2. Understanding and explaining thyroid gland 3. Understanding and explaining parathyroid and calcitonin 4. Understanding and explaining MSH and hormone 5. Understanding and explaining GH (Growth Hormone) 6. Understanding and explaining pancreatic glands 7. Understanding and explaining adrenal glands 8. Understanding and explaining male reproduction 9. Understanding and explaining female reproduction 10. Understanding and explaining <i>Keluarga Berencana</i> (family planning)
Content	Definition of hormones and their glands characteristics; the materials of hormone; peptide and steroid hormone action; anatomical relationships between pituitary – hypothalamus; structures of gland, chemical and function of hormones hypothalamic – pituitary, ADH, oxytocin, thyroid, parathyroid, calcitonin, growth hormone, MSH, adrenal, and pancreas; the relationships of structure and function of the male and female reproductive organs and hormonal control; birth planning (purpose, various techniques, and the hormonal control).
Soft skill Attribute	Discipline and Team work
Study/ exam achievements	Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: Presentation project (20%), quiz (10%), mid exam (30%), final exam (30%), and soft skill (10%)

	<p>Final index is defined as follow:</p> <p>A : 75 - 100</p> <p>AB : 70 - 74.99</p> <p>B : 65 - 69.99</p> <p>BC : 60 - 64.99</p> <p>C : 55 - 59.99</p> <p>D : 40 - 54.99</p> <p>E : 0 - 39.99</p>
Form of media	LCD
Learning Method	Lecturing, discussion, presentation of articles review
Literature	<p>a. Champe <i>et al.</i> 1994. <i>Lippincott's Illustrated Reviews: Biochemistry</i>. 2nd. ed. Philadelphia: J.B. Lippincot Company</p> <p>b. Ganong, W.F. 1993. <i>Review of Medical Physiology</i>. 16 th. ed. Prentice Hall Inc</p> <p>c. Norris, I. 1981. <i>Vertebrate Endocrinology</i>. Philadelphia : Lea and Febiger Inc.</p> <p>d. Williams R.H. 1981. <i>Textbook of Endocrinology</i>. 6th. ed. W.B. Philadelphia :Saunders Company.</p>
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