

## Endocrinology

Module name		<i>Endocrinology</i>				
Module level		3 <sup>rd</sup> year of Bachelor program				
Abbreviation, if applicable		-				
Sub-heading, if applicable		-				
Courses included in the module, if applicable		BI3204 Endocrinology				
Semester/term		6 <sup>th</sup> Semester				
Module coordinator(s)		Dr. Lulu Lusianti Fitri				
Lecturer(s)		Dr. Lulu Lusianti Fitri				
Language		Indonesian				
Classification within the Curriculum		Elective courses for Bachelor Program in Biology				
Teaching format/ class hours per week during the semester		Lecture (face to face teaching): 2 x 1 hour x 12 weeks Assignment: Student class presentation/group: 2 hours x 2 weeks Quizzes: 15 minutes x 8 weeks				
Workload	Total Workload	96 hours; 2 CU				
		Face to face teaching	Structured Activities	Independent study	Exam	Total
	Hours	28	32	32	4	96
Credit points		<i>Endocrinology (2 Credits)</i>				
Requirements		-				
Content		<ol style="list-style-type: none"> <li>1. <i>secretion control and mechanism of:</i> <ol style="list-style-type: none"> <li>a. <i>Hyphophise hormone action,</i></li> <li>b. <i>hypothalamus hormones,</i></li> <li>c. <i>melanotropic hormones,</i></li> <li>d. <i>parathormone and calcitonin,</i></li> <li>e. <i>pancreas,</i></li> <li>f. <i>thyroid,</i></li> <li>g. <i>catecholamine,</i></li> <li>h. <i>adrenal steroid,</i></li> <li>i. <i>ephiphise,</i></li> <li>j. <i>androgen,</i></li> <li>k. <i>ovarian,</i></li> <li>l. <i>pregnancy,</i></li> <li>m. <i>parturition and lactation, and</i></li> </ol> </li> <li>2. <i>endocrine pathophysiology.</i></li> </ol>				
Learning goals/competencies		Student are able to - understand basic concept of endocrine system which control hormone secretion and mode of action - understand endocrine pathophysiology				
Study/exam achievements		Midterm exam	Final exam	Assignment	Total	
		35	35	30	100%	
Forms of media		<i>Classical teaching tools:</i>		<i>White board, power point presentation</i>		
		<i>Digital teaching tools:</i>		<i>Video/CD, Website</i>		
Literature		<ol style="list-style-type: none"> <li>1. Hadley, M. 2000. <i>Endocrinology</i>. 5<sup>th</sup> Ed. Prentice Hall, New Jersey</li> <li>2. Saladin, K. S. 2004. <i>Anatomy Physiology</i>. 3<sup>rd</sup> Edition. McGraw Hill.</li> <li>3. Fitzgerald, MJT. <i>et all</i>. 2007. <i>Clinical neurotanatomy &amp; neuroscience</i>. 5<sup>th</sup> Ed. Saunders-Elsevier, Phildelphia.</li> </ol>				