



UNIVERSITAS NEGERI YOGYAKARTA

FACULTY OF MATHEMATICS AND SCIENCE
DEPARTMENT OF BIOLOGY EDUCATION

Colombo 1 Street Yogyakarta 55281

Phone: (0274)565411 Ext. 217, (0274)565411(Administration Office),fax
(0274)548203

Website:fmipa.uny.ac.id, E-mail :humas_fmipa@uny.ac.id

Bachelor of Science in Biology

MODULE HANDBOOK

Module name:	Ornithology
Module level, if applicable:	Undergraduate
Code:	BIO6254
Sub-heading,if applicable:	-
Classes,if applicable:	-
Semester:	Even
Module coordinator:	Rio Christy Handziko S.Pd.Si., M.Pd.
Lecturer(s):	Rio Christy Handziko S.Pd.Si., M.Pd.
Language:	Bahasa Indonesia
Classification within the curriculum:	Elective Course
Teaching format / class hours per week during the semester:	100 minutes lectures, 120 minutes structured activities, and 120 minutes individual studyper week
Work load:	Total workload is 91 hours per semester which consists of 100 minuteslectures, 120 minutes structured activities, and 120 minutes individual study per weekfor 16 weeks.
Credit points:	2 SKS (3,28 ECTS)
Prerequisites course(s):	Vertebrata biology
Perogram Learning Outcomes:	4. Comprehensively mastering Biology (core biology) to solve problems in the field of Biology (problem-solving) and to underlie the concepts of related sciences 6. Being adaptive, creative, innovative in applying the concepts of Biology and other related fields 9. Being able to work and create jobs/being an entrepreneur in the field of Biology 11. Possessing scientific skills to support the ability to speak in local,

	national, and international forums															
Course Outcomes	<p>After taking this course, the students have ability to:</p> <p>CO1. Memahami ruang lingkup Ornithology sebagai ilmu. CO2. Mengetahui sejarah keilmuan Ornithology. CO3. Menganalisis keragaman dan peran penting burung dalam ekosistem. CO4. Mengetahui proses identifikasi burung. CO5. Menganalisis habitat burung dari ciri morfologi. CO6. Mengaplikasikan ciri morfologi kedalam sistematika taksa. CO7. Mengaplikasikan ciri anatomi kedalam sistematika taksa. CO8. Memahami biogeografi hubungannya dengan speciasi. CO9. Mengetahui spesiasi sebagai bagian dari evolusi. CO10. Menganalisis pola migrasi burung terkait dengan perilaku CO11. Mendeskripsikan perilaku burung sebagai penanda spesies. CO12. Mengkaji peraturan perlindungan burung di Indonesia.</p>															
Content:	<p>Mata kuliah ini mengkaji tentang sejarah keilmuan, ragam dan peran penting burung dalam kesetimbangan ekosistem, mengetahui proses identifikasi burung dari ciri morfologis, anatomis dan juga perilaku lalu mengaplikasikan ciri tersebut kedalam sistem taksa. Kajian lainnya adalah tentang sebaran burung yang dipengaruhi biogeografi yang menjadi bagian dari speciasi dan evolusi. Setiap jenis burung memiliki penanda jenis yang khas yang memiliki perilakunya masing-masing, keunikan ini memerlukan penjagaan yang tergantung pada penelitian dan kondisi burung di lapangan.</p>															
Study/examachievements:	<p>The final mark will be weight as follow:</p> <table border="1"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO1 to CO12</td> <td>Observed attitudes , knolwedge, and skills</td> <td>Survey, test, rubrics and manuals</td> <td>100%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1 to CO12	Observed attitudes , knolwedge, and skills	Survey, test, rubrics and manuals	100%	Total				100%
No	CO	Assessment Object	Assessment Technique	Weight												
1	CO1 to CO12	Observed attitudes , knolwedge, and skills	Survey, test, rubrics and manuals	100%												
Total				100%												
Forms of media:	Real objects, model, multimedia															
Reference:	<p>A. Harrison, C., and Greensmith, A. 1993. <i>Birds of The World</i>. UK : Dorling Kindersley.</p> <p>B. Scott, Graham. 2010. <i>Essential Ornithology</i>. New York : Oxford University Press.</p> <p>C. Lovette, I. J., and John W.F. 2016. <i>Handbook of Bird Biology Third Edition</i>. UK : John Wiley & Sons Ltd.</p> <p>D. Birkhead, T., Jo W., and Bob M. 2014. <i>Ten Thousand Birds : Ornithology since Darwin</i>. UK : Princeton University Press</p> <p>E. Sutherland, W. J., Newton, I., and Green, R. E. 2004. <i>Bird Ecology and Conservation, a Handbook of Techniques</i>. New York, USA.</p>															

	<p>Oxford University Press.</p> <p>F. Stotz, D. F., Fitzpatrick, J. W., Parker, T. A. and Moskovits, D. K. 1996. <i>Neotropical Birds Ecology and Conservation, With Ecological and Distributional Databases</i>. Chicago, USA. University Chicago Press.</p>
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PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11
CO1				✓							
CO2				✓							
CO3						✓			✓		✓
CO4				✓					✓		
CO5				✓					✓		
CO6				✓					✓		
CO7				✓					✓		
CO8				✓					✓		
CO9				✓					✓		
CO10						✓			✓		✓
CO11									✓		✓
CO12						✓			✓		✓