

University of Montana

## ScholarWorks at University of Montana

---

University of Montana Course Syllabi

Open Educational Resources (OER)

---

Spring 2-1-2000

### BIOL 304.01: Ornithology

Richard L. Hutto

*University of Montana - Missoula*, [hutto@mso.umt.edu](mailto:hutto@mso.umt.edu)

Follow this and additional works at: <https://scholarworks.umt.edu/syllabi>

**Let us know how access to this document benefits you.**

---

#### Recommended Citation

Hutto, Richard L., "BIOL 304.01: Ornithology" (2000). *University of Montana Course Syllabi*. 5334.  
<https://scholarworks.umt.edu/syllabi/5334>

This Syllabus is brought to you for free and open access by the Open Educational Resources (OER) at ScholarWorks at University of Montana. It has been accepted for inclusion in University of Montana Course Syllabi by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact [scholarworks@mso.umt.edu](mailto:scholarworks@mso.umt.edu).

Biology 304, Ornithology  
TENTATIVE COURSE SYLLABUS, Spring 2000

Prof: R. L. Hutto

Office: HS 211

Office

hours: MW 11-12

TAs: Amy Cilimburg

HS 203

T 10-12

Caleb Putnam

HS 203

TBA

day	lecture topic	reading	laboratory/field
Jan 24	Course overview; enrollment	xxi-xxvii*	
26	Diversity of birds	3-20*; 13-17**	Introduction; Taxonomy
28	<i>touch base (TB)</i> ; Origin of birds	21-43*; 17-22**	
Jan 31	Speciation; zoogeography	527-552*; 38-41**	Topography
Feb 2	Bird flight I	93-113*	
4	<i>TB</i> ; Bird flight II		
7	Integument and molt	65-92*	Feathers
9	Plumage coloration I	203-232*	
11	<i>TB</i> ; Plumage coloration II		
14	Special senses I	186-202*	Osteology
16	Special senses II		
18	EXAM I		
21	HOLIDAY		Internal Anatomy I
23	Organ systems	115-173*	
25	<i>TB</i> ; Brains and Behavior	177-185*	
28	Migration: patterns, ultimate causes	287-307*	Internal Anatomy II
Mar 1	Migration: proximate causes	263-285*	
3	<i>TB</i> ; Orientation and navigation	309-325*	
6	Territoriality	328-333*	TH Eve. EXAM I
8	Coloniality		
10	<i>TB</i> ; Mating systems I		

day	lecture topic	reading	laboratory/field
13	Mating systems II		Birdwatching hints & Campus walk
15	Vocal communication I	233-260*	
17	<i>TB</i> ; Vocal communication II		
20	SPRING BREAK		SPRING BREAK
22	SPRING BREAK		
24	SPRING BREAK		
27	Eggs, nests	367-391*	Field Trip, 7-11 am (Sat. trip = 1 Apr)
29	Brood parasitism	458-465*	
31	EXAM II		
Apr 3	Clutch size	364-366; 496-502*	Bird ID review
5	Incubation	391-401*	
7	<i>TB</i> ; Parental care; sibling rivalry	425-457*	
10	Helpers; communal breeding	466-477*	Field trip, 7-11 am (Sat. trip = 15 Apr)
12	Foraging ecology	163-173; 335-346*	
14	<i>TB</i> ; Habitat selection		
17	Cavity nesters		Bird ID review
19	Population biology	507-525*	
21	<i>TB</i> ; Niche theory		
24	Competition; coexistence	561-572*	TH Eve. EXAM II
26	Patterns of bird diversity; islands	553-564*	Field trip, 6-11 am
28	<i>TB</i> ; Island biogeography	573-580*	(Sat. trip = 29 Apr)
May 1	Forest fragmentation		Field Quiz, 7-11 am (Sat. trip = 6 May)
3	Landscape ecology		
5	<i>TB</i> ; Conservation issues	581-616*	
8	FINAL EXAM, 10am		

\* page numbers from Gill (1994. Ornithology. W. H. Freeman and Co., New York, NY)

\*\* page numbers from Proctor and Lynch (1993. Manual of ornithology: avian structure and function. Yale Univ. Press, New Haven, CT)