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<b>Instructors</b>	Dr. Dan Simberloff (S)	480 Dabney	974-3065	dsimberloff@utk.edu
	Dr. Sandy Echternacht (E)	530 Hesler	974-3065	echterna@utk.edu

Office Hours	Dr. Simberloff	2:00 - 3:00 PM Tuesdays and Thursdays	480 Dabney
	Dr. Echternacht	2:15 - 3:15 PM and 5:15 - 6:00 PM Thursdays	530 Hesler

**Text** Lomolino, M. V., B. R. Riddle, R. J. Whittaker 2017. Biogeography, 5<sup>th</sup> Ed. Sinauer Associates, Inc. Sunderland, Massachusetts

**Lecture** Tuesdays and Thursdays 12:40-1:55 PM 575 Dabney

Day	Date	Lecturer	Topic
Th	12 Jan	S	Introduction and History of Biogeography
T	17	S	History of Biogeography
Th	19	E	Limits of Species Ranges: Physical Factors and Other Species
T	24	S	Dispersal and Immigration
Th	26	S	Climate Change
T	31	S	Areography
Th	2 Feb	E	Speciation
T	7	E	Speciation, Continued
Th	9	E	Continental Drift
T	14	E	The Pleistocene
Th	16	E	Pleistocene, Continued
T	21	F <sup>1</sup>	Phylogeography
Th	23	M <sup>2</sup>	Distinguishing Dispersal from Vicariance
T	28	S	Island Biogeography: Taxon Cycles and Assembly Rules
Th	2 Mar	S	Island Biogeography: Taxon Cycles and Assembly Rules, Con't
T	7	-	<b>Examination No. 1</b>
Th	9	-	No Class
T Th	14 16	-	Spring Break
T	21	S	Island Biogeography: Equilibrium Theory / Species-Area Relationships
Th	23	E	Latitudinal Gradients ( <b>Deadline for approval of term paper topics</b> )
T	28	S	Island Biogeography: Equilibrium Theory / Species-Area Relationships, Con't.
Th	30	E	Endemism
T	4 Apr	E	Hotspots and Extinction
<b>Th</b>	6	S	Patterns of Invasion
T	11	S	Relationship Between Distribution and Abundance
Th	13	S	Clines (e.g., Bergmann's Rule)
T	18	S	The Island Rule and Related Topics
Th	20	E	"Carlquistian" Patterns Among Island Plants and Animals <b>(Deadline for submission of term papers)</b>
T	25	F <sup>1</sup>	Gene Geography
Th	27	-	Presentation of Student Papers
W	3 May	-	<b>Examination No. 2</b> (12:30-2:30 PM in 575 Dabney)

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<sup>1</sup> Zoogeography (EEB 583) is actually a biogeography course.

**Examinations and Grading.** Examinations will be essay in format and will require knowledge of the material presented in lectures and related material from the text as assigned in the text. Grades will be based solely on two lecture examinations (100 points each) and one term paper (100 points).

**Term Paper.** Examples of possible term paper topics will be discussed in class but your choice will not be limited to these. If you are a graduate student, your topic may or may not relate to your thesis or dissertation research. For the purposes of the class, assume that you will be submitting your paper to the *Journal of Biogeography* and format it accordingly, including the method of citing sources in the text and the format of the Literature Cited section of the paper. The paper must not exceed 20 double-spaced pages excluding the Literature Cited and any figures or tables you may choose to include. Note that the topic you select *must be approved by both course instructors no later than Thursday March 23<sup>rd</sup>* and a copy of the final paper *must be submitted to both Dr. Echternacht and Dr. Simberloff no later than Thursday, April 20<sup>th</sup>*. *Papers must be submitted electronically as a Word or rtf document. Submission of papers before the due date is encouraged.*

**Academic Integrity:** Your continued participation in this class assumes that you abide by the University of Tennessee Honor Code (Undergraduate Catalog 2014-2015): “An essential feature of the University of Tennessee, Knoxville, is a commitment to maintaining an atmosphere of intellectual integrity and academic honesty. As a student of the University, I pledge that I will neither knowingly give nor receive any inappropriate assistance in academic work, thus affirming my own personal commitment to honor and integrity.”

**Disabilities:** If you need course adaptations or accommodations because of a documented disability, or if you have emergency information to share, please contact the Office of Disability Services. This will ensure that you are properly registered for services. Campus location: 2227 Dunford Hall. Phone: 865-974-6087. E-mail: ods@utk.edu. Website: <http://ods.utk.edu>.

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<sup>1</sup> Dr. Ben Fitzpatrick is a member of the EEB faculty at the University of Tennessee, Knoxville. His general research and teaching interests are in population genetics, conservation biology, and vertebrate biology. Within these, his major interests are in the genetics and biogeography of speciation, symbiosis, and invasion biology.

<sup>2</sup> Katie Massana is a PhD candidate in the Department of Ecology and Evolutionary Biology. Her research adviser is Dr. Brian O'Meara lab. Her research addresses questions in biogeography, trait diversification, and speciation where she uses phylogenetic methods to answer her research questions. She is also a Master's degree student in Statistics & Business Analytics through the Intercollegiate Graduate Statistics Program at UTK.