INTRODUCTION TO SUBANTARCTIC BIOCULTURAL CONSERVATION
Fall 2013

Core Professors:
Dr. Jaime E. Jiménez, wildlife ecologist, UNT
Dr. Ricardo Rozzi, conservation biologist & philosopher, UNT
https://faculty.unt.edu/editprofile.php?onlyview=1&pid=2117 (Dep. Philosophy)

Coordinator at Univ. Alaska Fairbanks & Invited Lecturer:
Dr. Barbara E. Taylor, Director of Undergr. Res. and Scholarly Activity (URSA), Interim Director of Honors Prog., Asso. Professor, University of Alaska Fairbanks http://www.bw.uaf.edu/about/faculty.php

Collaborating & Invited Lecturers:
Dr. J. Baird Callicott, philosopher, UNT http://www.phil.unt.edu/people/faculty/j-baird-callicott
Dr. Bernard Goffinet, bryologist, University of Connecticut http://www.eeb.uconn.edu/people/goffinet/
Dr. Julie C. Hagelin, ornithologist, Institute of Arctic Biology, University of Alaska Fairbanks http://mercury2.iab.uaf.edu/iab/facstaff/people_info.php?people_id=1026
Dr. James H. Kennedy, biologist, UNT https://faculty.unt.edu/editprofile.php?pid=1930&onlyview=1
Dr. Ricardo Rozzi, conservation philosopher, UNT https://faculty.unt.edu/editprofile.php?onlyview=1&pid=2117
Dr. Derek Sikes, entomologist, University of Alaska, http://users.iab.uaf.edu/~derek_sikes/people.htm
Dr. Philip Loring, human ecologist, University of Saskatchewan

Course Catalogue Information (sections 001 & 031):
PHIL 4053, 6780
BIOL 4053, 5053

Class Schedule:
Fall semester; Thursdays, 6:00-8:50 pm (Central Daylight/Standard Time)
Chilton Hall, Room 245

Office Hours:
J. Jiménez: Wed 3:00-4:30 pm (EESAT 310B) or by appointment (Phone: 940-369-8211; email: Jaime.Jimenez@unt.edu)
R. Rozzi:Tue 5:00-6:30 pm (EESAT 310P) or by appointment

Academic Dishonesty Policy:
Students are responsible for reading, understanding, and knowing UNT's Academic Dishonesty Policy that can be found at: http://www.vpaa.unt.edu/academic_integrity.htm. Academic dishonesty in this class is unacceptable and will not be tolerated in any form.
Disability Accommodation (ODA Statement):
The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Office of Disability Accommodation website at http://www.unt.edu/oda. You may also contact them by phone at 940.565.4323.

Drop/Withdrawal Information:
Last day to drop without professor’s approval is September 11th 2013. Other Drop/Withdrawal Information and other important Academic Dates can be found at www.essc.unt.edu/registrar/schedule/scheduleclass.html. Before dropping the course, please come and discuss this with us.

INTRODUCTION TO SUB-ANTARCTIC BIOCULTURAL CONSERVATION

Course Description:
The course will provide students with an introduction to sub-Antarctic biological and cultural diversity, as well as to the approach of the Sub-Antarctic Biocultural Conservation Program at UNT. Students will gain an overview of the flora, fauna, geography, climate, and ethnography of southern South America. They will also gain a conceptual framework to integrate environmental philosophy and ecological sciences, and their integration into practical and theoretical aspects of biocultural conservation, including education and ecotourism. Additionally, and as a way of comparing and contrasting with the Sub-Antarctic contents, the course will have a section on Sub-Arctic contents.

We all bring different skills and mindsets to this course and will work as a group to broaden and integrate our approaches to biocultural conservation. This semester-long seminar-style course will have an emphasis on ethno-ornithology and ecotourism, as a way to implement biocultural conservation. The course is part of a broader International Research Experience, and a study-abroad field course, entitled Tracing Darwin’s Path (TDP). Although this course is a recommended pre-requisite for the TDP field course, participation in the field components associated with the semester-long seminar course is not a requirement.

We will use various interactive features during the course, including Blackboard, videoconferences and live streaming. Course materials will be made available online through Blackboard and www.chile.unt.edu. Students are required to check Blackboard regularly for updates to the syllabus, announcements and access to course materials.

Course Goals:
Through readings, films, and seminars students will develop:
• Familiarity with both biological and cultural diversity.
• A basic understanding of the geography, history, culture, and ecology of the sub-Antarctic ecoregion of southern South America.
• An understanding of similarities and differences between Sub-Antarctic and Sub-Arctic ecosystems, and worldviews from indigenous people and members of other socio-cultural groups that inhabit these regions.
• A comprehension of under-appreciated biodiversity (bryophytes, lichens and freshwater invertebrates), and traditional ecological knowledge.
• A distinctive interdisciplinary approach to biocultural conservation that integrates environmental philosophy and ecological sciences.
• Familiarity with examples of Neotropical ornithology, biotic homogenization and flagship species.
• We will focus on some key figures on biocultural diversity (e.g., Darrel Possey, Luisa Maffi), South American environmental philosophy (e.g., Leonardo Boff, Chico Mendez, Dorothy Stang), comparative environmental philosophy (e.g., Baird Callicott), environmental philosophy and education (e.g., Eugene Hargrove, Peter Feinsinger), narrative philosophy and ethics (e.g., Alasdair MacIntyre).

Readings:

Required purchased texts are:
• Additional readings will be made available in PDF from the course Blackboard platform and are subject to change up to one week in advance if necessary.

Course Evaluation:

1) Group Presentations (15%)
Students groups of 4-5 will give 15 minute presentations on Dec. 5th based on a research topic chosen at the beginning of the semester (see Appendix with list of Research Topics Fall 2012). Each group is required to submit, by email, a professional PPT presentation on Oct. 24th, which will be returned with comments prior to the presentation. Groups are expected to incorporate and/or address the comments, questions, and indications given as feedback into the first draft PPT to be presented on Dec. 5th. Additionally, on Dec. 5th graduate students will require presenting a seminar on a flagship species.

2) Final Essay (20%)
Groups of 4-5 students will select a topic of relevance to sub-Antarctic/sub-Arctic biocultural conservation and elaborate a “review-type” article (on the same topic as their presentations), using an extensive bibliographic search. The essay will be max 6 pages, formatted as double space, font size 12, Times New Roman, and 1-inch margins (not including bibliography – 1 to 3 additional pages).

To receive credit, essays must include: 1) a brief introduction; 2) main questions or thesis researched in the presentation; 3) results and thesis proposed and 4) broader implications of the findings and statements.
On Oct 31st students will turn in the first draft of their essays. The essays will be distributed to the class as supplementary reading materials. On Nov. 7th groups will receive feedback from their classmates and professors of the course about their drafts. Addressing the questions and suggestions provided on the drafts, each group will prepare a final paper, max 10 pages, double spaced, font size 12, Times New Roman, 1-inch margins (not including bibliography – 1 to 3 additional pages) for Dec. 5th; no exceptions will be made for this deadline.

3) Attendance and Participation (10%)  
Attendance is mandatory. Students are responsible to prepare ahead of time, attend all lectures and discussion sessions, ask questions, and express themselves creatively and concisely in their work. Ways of earning points for class participation include being prepared to contribute positively to class discussion of the assigned readings. Contributing positively requires having read, and as thoroughly as possible understood the assigned readings, and at least being able to raise important questions if not provide definitive answers. Undergraduate students are responsible for all required readings, and graduate students are responsible for required and supplementary readings. Authorized absences that will be considered on a case-by-case basis include: religious holidays, call to active military duty and a certified sickness by a medical professional. Unauthorized absences will affect participation grade.

4) Preparation Quizzes (25%)  
At the beginning of each class, a short quiz will be taken regarding the material contained in the required (all students) and supplementary (only graduate) readings for that week.

5) Tests (30%)  
Three tests will be taken during the semester worth each 10% of the grade. Graduate students will be given an additional question on each exam.

The final grade earned will correspond to the following scores, weighted by each activity:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>89.5 – 100</td>
</tr>
<tr>
<td>B</td>
<td>79.5 – 89.4</td>
</tr>
<tr>
<td>C</td>
<td>69.5 – 79.4</td>
</tr>
<tr>
<td>D</td>
<td>59.5 – 69.4</td>
</tr>
<tr>
<td>F</td>
<td>59.4 and below</td>
</tr>
</tbody>
</table>

**Course 2013 Program**

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Readings / Assignments</th>
<th>Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Introduction to the Bio-Cultural Conservation Course</td>
<td>Supplementary: Rozzi et al. 2006 [<a href="http://www.ecologyandsociety.org/vol11/iss1/art43/">http://www.ecologyandsociety.org/vol11/iss1/art43/</a>]</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit I: Environmental Philosophy, Ecotourism &amp; Biocultural Diversity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05 September</td>
<td><strong>Environmental Ethics &amp; Comparative Environmental Philosophy</strong></td>
<td>Callicott’s Earth’s Insights Introduction (Ch. 1) and South American eco-eroticism</td>
<td>J. Baird Callicott</td>
</tr>
<tr>
<td>Date</td>
<td>Topic</td>
<td>Reading Material</td>
<td>Presenter</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| 12 September | Biocultural Conservation & Field Environmental Philosophy          | (Ch. 7)  
Film: *Homage to the Yahgans* by Anne Chapman  
Rozzi 2013 (Biocultural Ethics)  
Rozzi et al. 2010. *Multi-Ethnic Bird Guide*: (a) pages 9-11 (Foreword Callicott) & (b) pages 29-34 (Ethno-ornithological Philosophy & Env. Ethics)  
Supplementary:  
Rozzi et al. 2010  
Rozzi et al. 2008a, 2012, Film: *The Return to the Den* | R. Rozzi |
| 19 September | Sustainable Tourism, Education, and Bio-Cultural Conservation      | Swarbrooke 1999  
Tao & Wall 2009  
Supplementary:  
Goffinet et al. 2012. Preface (Serendipity...) & Chapter 1  
Film: *Ecotourism with a Hand-Lens “The Invisible Journey”* | J. Roglà |
| 26 September | Biocultural Conservation, Environmental Ethics & Liberation Theology | Gare 1998  
Supplementary:  
Rozzi et al. 2010, 2012 review of main concepts  
Film: *They killed Sister Dorothy* | R. May (R. Rozzi) |
| **Unit II: Magellanic Sub-Antarctic Ecoregion & Biocultural Diversity** |                                                                                                         |            |
| 03 October | Exam Unit I                                                         | Armesto et al. 1998  
Rozzi et al. 2012  
| 10 October | Insect ecology and conservation education                          | Moorman et al. 2006  
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Supplementary and Film References</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 October</td>
<td>Exam Unit II Introduction to Unit III: Sub-Arctic Biocultural Diversity</td>
<td>Students turn in short essay draft</td>
<td>J. Jiménez J. Hagelin</td>
</tr>
<tr>
<td>Unit III: Sub-Arctic Biocultural Diversity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 November</td>
<td><strong>Sub-Arctic Ornithology, Landscapes, and Conservation</strong></td>
<td>Rich et al. 2004 Kessel &amp; Gibson 1976 Yesner 2004</td>
<td>J. Hagelin J. Jiménez</td>
</tr>
<tr>
<td></td>
<td>• Hagelin’s perspectives on Conservation and Ornithological studies in the Sub-Arctic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• A human case-study that spans environments and cultures of the two hemispheres.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21 November</td>
<td><strong>Sub-Arctic Biocultural Diversity</strong> (culture, linguistic, ecological worldviews and traditional ecological knowledge) Ethnography and landscapes</td>
<td>Cruikshank 2001 Hunn et al. 2003</td>
<td>P. Loring</td>
</tr>
<tr>
<td>05 December</td>
<td><strong>Undergraduate and Graduate Group presentations</strong></td>
<td>Supplementary: Walpole &amp; Leader-Williams 2002</td>
<td>J. Jiménez</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Woodpeckers &amp; Flagship species seminar by graduate students</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 12 December | **Final Exam** | | J. Jiménez |

@ indicates videoconference between University of Alaska and UNT
# indicates videoconference between University of Connecticut, University of Alaska and UNT

**READINGS REFERENCES**


FILMS REFERENCES
Homage to the Yahgans: the last Indians of Tierra del Fuego and Cape Horn by Anne Chapman and CNRS-Audiovisuel, Watertown, MA. http://iii.library.unt.edu/record=b3925218~S6

Ecotourism with a hand lens “The Invisible Journey” by Jaime Sepúlveda, Santiago, Chile


The Life of Birds by David Attenborough. BBC video (3 DVD disks). Chilton Media Library DVD 7763 v.1, DVD 7763 v.2, & DVD 7763 v.3.
