Environmental health is in decline and approaching a tipping point, due in large part to unrestrained anthropogenic activity. The outcome could prove catastrophic for environmental and global human health alike.

Now, more than ever, field-based research serves an essential role in providing the raw data so desperately needed to assess the status of the environment/human health, monitor changes, and ultimately, generate strategies to effect a positive outcome for all.

This course is designed to acquaint students with basics of field research with a focus on the study of wildlife and their interaction with humans in a shared environment. The course format will consist of lectures, classroom discussion, and demonstration. Topics to be covered include: concepts in conservation biology and global health at the human-wildlife interface, field study methods and techniques (behavioral sampling, biological sampling, population survey, etc.), and field equipment exercises/demonstration. Student groups (~2 students/grp) will be required to complete an “Assessment Paper” that examines an existing case of human-wildlife conflict with proposed strategies for healthy coexistence.

INSTRUCTORS:

**Prof. Randy Kyes,** (Research Prof., and Director and Core Scientist)
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Office Hours: by appointment
Phone: 206-619-5765
email: cgfs@u.washington.edu
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**Dr. Pensri (Elle) Kyes,** (Affiliate Asst. Prof., and Research Scientist)
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(personal account: pkyes@uw.edu)

CREDITS: 3

LECTURES:
- M-W-F: 3:00-4:20pm, CHL 105 (~ First 5 weeks of quarter)
- W *: 3:00-4:20pm, CHL 105 (~ Second 5 weeks of quarter)
REQUIRED READING: Selected scientific articles will be provided via the course website.

COURSE E-MAIL ACCOUNT: The primary email account for this course is: cgfs@u.washington.edu All general correspondence relating to this program should be directed to this address.

COURSE WEBSITE: A website has been created for this course. It can be accessed at the following URL: http://depts.washington.edu/cgfs/psych494. The website will provide all relevant information relating to this course (i.e., syllabus, lectures, related papers/handouts, relevant course materials) and will be updated as required.

COURSE REQUIREMENTS AND GRADING:

Class Participation: Students are expected to attend each class. Participation is a critical part of this course and will count toward the final grade. Class participation is worth 100 points.

Assessment Paper: During the course, student groups (~2 students/group) will generate an “Assessment Paper” that examines an existing case of human-wildlife conflict. Student groups will select one of several possible human-wildlife conflict cases provided by the instructors and then conduct an in-depth review and assessment of the conflict situation. The goal is to generate proposed management strategies designed to help mitigate the conflict and promote the healthy coexistence between the humans and wildlife.
- A handout describing the guidelines for the Assessment Paper will be passed out in class.
- Assessment topics will be discussed each week during Fri. class meetings to promote critique and facilitate development of the paper. Each group should be prepared to discuss new information/questions/progress related to their assessment topic.
- A short (1 page max.) outline of the Assessment Paper is due on Wed, 1 May (to be handed in during class or email attachment prior to class).
- Student groups will present a summary of their Assessment Paper in class (via powerpoint presentation) during the last week of classes.
- The completed Assessment Paper will be worth 100 points and is due by Fri, 7 June by 5:00pm (via email attachment or hardcopy).

Exam: One exam covering the lecture and reading material presented/discussed in class will be given during finals week. This exam will be comprehensive. The exam will be worth 100 points.

Grading: Grades will be based on the scores from class participation, the Assessment Paper, and exam. Class participation and the exam will each count 25% toward the final grade, the Assessment Paper will count 50%. The final score will be assigned a corresponding final grade (e.g., 81% = 2.8) using the following grade scale: 93 or above=4.0; 83=3.0; 73=2.0; 63=1.0; 60=0.7; <60=0.0. You can interpolate between these values to determine intermediate grades.
# TENTATIVE COURSE OUTLINE

<table>
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<tr>
<th>Week of</th>
<th>Lecture/Discussion Topic</th>
<th>Readings</th>
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| 1 Apr   | The Big Picture: Human-Environment Interface  
          Global Partnerships in Field Research, Training & Outreach Educ.  
          Assessment Paper Overview | Syllabus  
          Assessment Guidelines |
| 8 Apr   | Threats to Biodiversity / Threats to Global Health  
          Field Study Methods: Observation Techniques & Field Awareness  
          Assessment Paper Development/Discussion | wk2 Readings |
| 15 Apr  | Field Study Methods: Field Technology & Biological Sampling  
          Field Equipment Practice  
          Assessment Paper Development/Discussion | wk3 Readings |
| 22 Apr  | Field Study Methods: Behav. Sampling & Line-Transect Sampling  
          Tangkoko Nature Reserve, Indonesia - Population Survey  
          Kosumpee Forest Park, Thailand – Behav & Popul Survey  
          Wat Phrabuddhabat Pa Reau, Thailand – Behav & Popul Survey  
          Assessment Paper Development/Discussion | wk4 Readings |
| 29 Apr  | Human-Wildlife Interface: Conflict & Coexistence  
          Human-Primate Conflict & Coexistence  
          Assessment Paper Development/Discussion | wk5 Readings |
|         | Assessment Paper Outline Due - WED., 1 May (in class) | |
| *w 6 May| Guest lecture  
          Assessment Paper Development/Discussion | |
| *w 13 May| Videos: Assam, India (“Legends of Hollongapar”  
          & “A Friend Turned Foe”)  
          Assessment Paper Development/Discussion | wk7 Readings |
| *w 20 May| Video: Thailand (Monkeys of Thailand)  
          Assessment Paper Development/Discussion | |
| *w-F 27 May| The Future of Field Research…  
          Creating a Successful Academic Curriculum Vitae (“CV”)  
          Assessment Paper Development/Discussion | wk9 Readings  
          Example CV |
| *w-F 3 Jun| Assessment Paper Presentations (Wed & Fri)  
          Assessment Paper Due - FRI., 7 JUNE (by 5:00pm) | |
| 10 Jun  | Final EXAM - TBA (finals week) | |