ENV 261 – Mixed Methods for Environmental Studies

CALENDAR – Fall 2018

Full citations to readings, videos, and other material assigned for class each day is listed here. Optional readings, supplementary material, and citations to materials covered in class are listed in italics. Please see Content >> Weekly Course Materials for links or PDFs of all non-textbook assigned reading. D2L information also includes recommendations of which articles to print and bring to class.

This printed list is provided as a convenience only. Please refer to D2L during the quarter for up-to-date information, deadlines, etc., and email me with any questions.

Week 1: INTRO TO MIXED METHODS (MM) RESEARCH

In class Thursday: Introductions; Syllabus & Course Overview; Definitions of Mixed Methods (MM) research

Week 2: INTRO TO MIXED METHODS (MM) RESEARCH (continued)

For Tuesday class:

For Thursday class:
Creswell, J. (2013). “What is Mixed Methods Research” [YouTube video]. Available at: https://www.youtube.com/watch?v=1OaNiTlpyX8. Provides an overview of MM research methods and design; pay particular attention to first ~11 minutes now; the latter 4 minutes on research design will make more sense during Week 4.

Week 2 Lab:
Activity: Documentary & Storytelling as MM Research (& practice honing your skills of observation)
Documentaries watched during lab:
Dell’Angelo, M., & Dell’Angelo, J. (Producers). (2015). Working Together: Research & Water Governance on Mount Kenya [Video documentary]. United State: Indiana University Ostrom Workshop, & Princeton University. Available at: https://vimeo.com/159276686. (See also Dell’Angelo et al. [2016] assigned for next week, based on this research.)

Prep for Week 3 lab: As you walk around the city, take photos – at least 5, no more than 10 – of your surroundings according to the guidelines decided upon during Week 2 lab.
Week 3: PARADIGMS, FRAMEWORKS, THEORIES, MODELS

For Tuesday class:

Ch. 5 in T&T – read the following sections closely: “A Review of Philosophical Issues Relevant to Paradigms” and “Contemporary Points of View Regarding the Use of Paradigms”; skim remainder of chapter


For Thursday class:


Dell’Angelo, J., McCord, P.F., Gower, D., Carpenter, S., Caylor, K.K., & Evans, T.P. (2016). Community water governance on Mount Kenya: An assessment based on Ostrom’s Design Principles of Natural Resource Management. *Mountain Research and Development*, 36(1): 102-115. (This piece is an example of all types of “mixing” in MM: QUAN + QUAL, social + natural sciences, researchers + practitioners, etc. We’ll discuss extensively in class, including as an example for the type of analysis you are asked to do for the Paradigms Essay assignment.)

Week 2 Lab:

Activity: Literature Review & Synthesis Research

Optional Resources for Lab Activity:

Ch. 6 from T&T – Note that ch. 6’s use of the terms “theory” and “framework” is inconsistent with how we defined these terms during week 2.


**Documentary Lab Write-Up due Friday Week 3 at 7 pm – turn in via D2L**

Week 4: DESIGNING MM RESEARCH

For Tuesday class:

Ch. 7 from T&T

Return to last ~5 minutes of Creswell video: https://www.youtube.com/watch?v=1OaNiTlpvX8

Optional Reading: (A good example of an active social-ecological research program that has developed a framework, research questions, and methodologies.)


**Photos due Tuesday before class in order to use during lab this week**

For Thursday class:
- Ch. 10 from T&T
- Scientific Article Discussion # 1:

**Week 4 Lab:**

**Activity:** Observations & Field Notes

**Optional Resources for Lab Activity:**

**Literature Review Lab Write-Up due Friday Week 4 at 7 pm – turn in via D2L**

**Week 5: DATA COLLECTION, Part 1: SURVEYS**

Read, in order to complete alternative activity class, available on D2L:

**Paradigms Essay due Friday Week 5 at 7 pm via D2L**

**Observations Lab Write-Up due Friday Week 5 at 7 pm via D2L**

**Week 6: DATA COLLECTION, Part 2: INTERVIEWS**
For Tuesday class:


For Thursday class:

Scientific Article Discussion # 2:


Optional Reading: (Blog post from “The Nature of Cities” by one of the coauthors of the assigned Feinberg et al. article)


Week 6 Lab:

Activity: Conducting & transcribing interviews

Optional Resources for Lab Activity:

Survey Lab Write-Up due Friday Week 6 at 7 pm via D2L

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Week 7: QUALITATIVE DATA ANALYSIS

For Tuesday class:


*Interview transcription completed by class time on Tuesday - submit via D2L*

For Thursday class:

Scientific Article Discussion # 3:


Optional Reading:


Week 6 Lab:

Activity: Qualitative coding using NVivo

Optional Resources for Lab Activity:
Week 8: ETHICS OF MM RESEARCH

CITI Training completed by Tuesday Week 8 before class – submit CITI Completion Report via D2L

For Tuesday class:

For Thursday class:
TBD – please check D2L
Scientific Article Discussion # 4:

Week 8 Lab: TBD

Interview Analysis Lab Write-Up due Friday Week 8 at 7 pm via D2L

Week 9: MM RESEARCH IN ACTION

For Tuesday class:
In class: Overview of the Group Project with Drew Hart & CommuniTree

For Thursday: (In preparation for the field trip during class/lab time)
Abood, Hart & Vogt in preparation
TBD reading material in preparation for group project with CommuniTree (see D2L)

Week 9 FIELD TRIP: Leave at 7:30 am
Field Trip to NW Indiana for Group Project: Tree planting. Dress to be outside for the duration.

IRB Protocol for Research Design due Friday Week 9 at 7 pm via D2L

Week 10: DATA ANALYSIS & SYNTHESIS

For Tuesday class:
Ch. 11 from T&T
Other research methods: TBD (see D2L)

For Thursday class:

Week 9 Lab:
    Activity: TBD
    (Rain date for NW Indiana field trip.)

Research Design due Friday at 7 pm via D2L

Finals Week

Group Project due Thursday Nov 15 at 8:30 am (at scheduled final exam period)

We WILL meet during final exam time, Thursday Nov 15, 8:30-10:45 am, when we’ll share the Group Project results with the CommuniTree stakeholders.