



# ENVIRONMENTAL GEOGRAPHY – PART 2

GEOG 340

## METHODS & CASE STUDIES

### METHODS

- TRANSECTS
- QUADRATS
- INTERVIEW
- SURVEY
- DOCUMENT CONTENT ANALYSIS

### CASE STUDIES

- LAWNS
- HAZARDS, RISKS, & PERCEPTIONS
- E-WASTE
- URBANIZATION & DEVELOPMENT
- ENVIRONMENTAL POLITICS
- PLASTIC POLLUTION & GLOBAL CONNECTIVITY
- GEOENGINEERING & WAYS FORWARD

## GROUP DATA COLLECTION EXERCISES

- **TRANSECTS:** A PATH ALONG WHICH ONE COUNTS AND RECORDS OCCURRENCES OF THE SPECIES OF STUDY (E.G. PLANTS).
- **QUADRATS:** EACH OF A NUMBER OF SMALL AREAS OF HABITAT, TYPICALLY OF ONE SQUARE METER, THAT ACT AS SAMPLES FOR ASSESSING THE LOCAL DISTRIBUTION OR COVERAGE OF PLANTS OR ANIMALS.
- **INTERVIEWS:** PRACTICE WRITING INTERVIEW QUESTIONS, ADMINISTERING INTERVIEWS, AND ANALYZING INTERVIEW DATA
- **SURVEYS:** PRACTICE WRITING SURVEY QUESTIONS, ADMINISTERING A SURVEY, AND ANALYZING SURVEY DATA
- **DOCUMENT CONTENT ANALYSIS:** PRACTICE ANALYZING DOCUMENTS AND REPORTS



## COLLABORATIVE RESEARCH PROJECTS

## PAST “ENVIRONMENTAL GEOGRAPHY” RESEARCH

*"We end, I think, at what might be called the standard paradise of the twentieth century: our lands are better than we are and grow better faster than we do. They suffice to crack the atom, to command the tides. But they do not suffice for the oldest task in human history: to live on a piece of land without spoiling it."*

-Aldo Leopold

ENVIRONMENTAL ETHICS, SUSTAINABILITY

**The Land Ethic**

December 18, 2017 — 0 Comments



DESALINATION, DROUGHT, ENERGY, OCEAN/MARINE, SOUTHERN CALIFORNIA, WATER

**Desalination: Pros, Cons & Environmental Impacts**

December 18, 2017 — 0 Comments



CAMPUS, PLASTIC, STUDENTS, SURVEY, WASTE

**CSULB Student's Perceptions of Single Use Plastic**

December 18, 2017 — 2 Comments



CAMPUS, STUDENTS, SURVEY, TRANSPORTATION

**Commuting & Parking at CSULB**

December 18, 2017 — 1 Comment



AIR POLLUTION, SOUTHERN CALIFORNIA, SURVEY, TRANSPORTATION, URBAN

**Sustainable Transportation**

December 17, 2017 — 0 Comments



CAMPUS, LONG BEACH, STUDENTS, SURVEY, WATER

**What's with the Plastic?**

December 17, 2017 — 0 Comments

<https://environmentalgeographyatcsulb.wordpress.com/>

## IMPORTANT CONSIDERATIONS

- 25% OF YOUR OVERALL GRADE (125 POINTS)
- GROUPS OF 3-6 MEMBERS
- DELIVERABLES:
  - ORAL PRESENTATION (POWER POINT, PREZI ETC) (15 MINUTES) SHOWCASING YOUR RESEARCH
  - 5-6 PAGE RESEARCH PAPER
- ORAL PRESENTATIONS WILL TAKE PLACE ON DECEMBER 3<sup>RD</sup> & 5<sup>TH</sup>
- **COMPLETE PROJECT IS DUE ON DEC 2 BY MIDNIGHT**

## RESEARCH PAPER (5-6 PAGES)

- RESEARCH TOPIC AND GOALS
  - RESEARCH QUESTION(S)
  - CONTEXTUALIZE YOUR RESEARCH WITHIN ENVIRONMENTAL GEOGRAPHY
  - WHY IS THIS RESEARCH QUESTION IMPORTANT?
- LITERATURE REVIEW (MINIMUM 3 PEER-REVIEWED ARTICLES)
  - DISCUSS PREVIOUS RESEARCH ON YOUR TOPIC
  - WHAT DOES THE RESEARCH SAY?
  - ARE THERE GAPS IN THE RESEARCH?
- ANALYZE AND APPLY
  - ANALYZE, CONTEXTUALIZE, & APPLY THE SOURCES TO YOUR QUESTION
  - WHY IS THIS RESEARCH RELEVANT & HOW DOES IT HELP ANSWER YOUR ?
- CONCLUSIONS
  - WHAT IS THE TAKEAWAY?

## RESEARCH PROJECTS?

- GETTING STARTED: WHAT ARE YOU INTERESTED IN?
- WHAT TOPICS DO YOU THINK DO NOT GET DISCUSSED ENOUGH?
- WHAT TOPICS DO YOU WANT TO LEARN MORE ABOUT?

### NOW:

- COME UP WITH 2 POSSIBLE RESEARCH PROJECT TOPICS
  - WRITE 1-2 RESEARCH QUESTIONS FOR EACH TOPIC

## GROUP BRAINSTORM

- BREAK INTO GROUPS (5-6 STUDENTS)
- BRAINSTORM 2 POSSIBLE FINAL PROJECT RESEARCH TOPICS

RANK YOUR TOP 3 CHOICES OF GROUP PROJECT IDEAS FROM THE LIST WE DISCUSSED TODAY:

- 1.
- 2.
- 3.