**HUMAN-ENVIRONMENT AQUATIC LAB (HEAL) CURE**

**PROJECT PROPOSAL**

*#1-3 are due Week 7*

*#4-5 are due Week 8*

*#6-8 are due Week 9 and meet with instructor that lab period for discussion*

1. TITLE:

**[Guidance**: McMillan *Writing Papers in the Biological Sciences,* pages 64-67]

1. BROAD QUESTION: (one sentence)

[**Guidance:** e.g., *what are the effects of mowing on yellow star thistle traits?*]

1. HUMAN-ENVIRONMENT INTERACTION (HEI): (1-2 sentences)

**[Guidance**: Describe the human-environment interaction of your study]

1. INTRODUCTION:

**[Guidance**: McMillan *Writing Papers in the Biological Sciences,* pages 236-243]

1. HYPOTHESIS(-ES):

[**Guidance**: make sure this includes the independent and dependent variables]

***Prior to submitting #6-8, each group will present to the rest of the lab a summary of their project. This will be a ~5-minute talk (no power point) with 5 minutes of questions. Please include the following:***

1. ***Title***
2. ***Why? Background and/or information about the species or habitat***
3. ***Hypotheses***
4. ***Study design***
5. METHODS:

**[Study design guide**: [Cox document](file:///Users/kneitel/Library/CloudStorage/OneDrive-CaliforniaStateUniversity%2CSacramento/BACKUPJAN2022-REAL/Documents/Academic/HEI-FMN/Kneitel%20Project/Designing%20an%20Ecological%20Study.pdf)]

**[Guidance**: McMillan *Writing Papers in the Biological Sciences,* pages 73-79]

|  |  |
| --- | --- |
| **Methods** | **Details** |
| *Location:* |  |
| *Study design:* |  |
| *Sampling approach:* |  |
| *Independent variables:* |  |
| *Dependent variables:* |  |
| *Replication:* |  |
| *Study organism(s)* |  |
| *Graphs to produce:* |  |
| *Statistical test(s):* |  |
| *Equipment we have:* |  |
| *Equipment we need:* |  |
| *Timeline:* |  |

1. SIGNFICANCE:

[how does this project contribute to HEI?]

1. LITERATURE CITED

Citations minimum (3 by each team member)

*Peer-reviewed sources (additional non peer-reviewed sources are allowed)*

*Background research on the topic, justification, and methods or claims*

 *Formatted consistently within the text and in the Literature Cited section (use [Ecology](https://libguides.csudh.edu/citation/ecology)*

*[journal format](https://libguides.csudh.edu/citation/ecology))*

1. OTHER ITEMS TO POSSIBLY INCLUDE:
	1. Digital lab notebook
	2. VLOG Post of your project