

GUIDELINES FOR YOUR HWRS-696F CLASS PAPERS

(NOTE: a paper is required for students taking the class for 3 units)

Objective: The essence of the paper should be the exploration of a question you formulate that addresses some aspect of our seminar's theme: *Flood Hydrometeorology & Hydroclimatology — Implications for Global Change and Extreme Hydrology*.

Research Question: Your research question should be formulated in a way that critically evaluates and applies the knowledge gained in our seminar. It can be an expansion of the case study you already presented, or a different topic as long as it is related in some way to things we've discussed this semester. It could even be a well-designed literature review, addressing a question that may have emerged during the semester and which you probe in more detail.

(Some examples of research questions: "How typical are the causes of my case study flood compared to the causes of the other floods that have occurred in the watershed?" "Is a record of extreme precipitation events a good "proxy" for a record of flood events in a given watershed?" "Which kind of trend would be of greater concern to flood managers: increased magnitude of floods or increased numbers of floods?" etc.)

Length & Format: Your paper's length should fit the content that you need to answer your question thoughtfully. Suggested length is anywhere between 5 – 10 pages, 1.5 spacing (not including references, tables and figures). Please keep it focused. You should be succinct and to the point, but not superficial.

Your paper should follow the general format of a **published scientific paper**, using one of the readings this semester as a template. Thus, it should have an **abstract, introduction, paper body, discussion and/or conclusions, acknowledgements, reference list**, etc. Within this format structure, here are some suggestions for things you may want to include :

- Introduction and statement of the flood-related question you are exploring
- Background and/or justification for why you are exploring this question and why the question is important for flood hydrology, society, science in general, etc.
- Description of what you did (literature review, data collection and analysis, etc.) to explore the question, understand it in more depth, analyze data, etc.
- Presentation of results and a summary of your findings (from your literature review, data analysis, etc.)
- Thoughtful discussion of your findings
- Conclusions

Papers are due any time after Dead Day (Thursday May 7th) and no later than Wednesday May 13th (which is the official final exam date for our course).

NOTE: Our last formal class meeting will be held at our regular class time on Tuesday May 5th – with dinner provided – at the home of Katie Hirschboeck & Bob Maddox (next door neighbors to the Baker's; about 4 miles from campus). (More details to follow).

QUESTIONS? Email katie@ltrr.arizona.edu