

**Addendum to CWR 5305 – Surface Hydrology**  
**PROJECT GUIDELINES - Fall 2022 POINTS = 30**  
**POINTS - DEADLINES: See below**

**Objective**

To demonstrate working knowledge in either developing **or** applying a well-documented computer model to assess hydrologic or hydraulic, quantity- or quality-related, conditions, in a water system (or part of a system) of your choice (e.g., lakes, reservoirs, streams, rivers, drainage area or storm collector); given data availability, water bodies in the South Florida region are encouraged (*but not required*). Students may initially identify various topics of their own interest (i.e., about 2-3) based on the textbook chapters, literature review of journal articles, and any other appropriate information to then discuss them with the instructor to select one to submit a proposal.

**Guidelines**

Students will individually or in teams of two students (i.e., MS students only), as it is appropriate, will complete and present written and oral reports of professional quality. *PhD students must work individually*. In the case of MS students, teams must have a topic with sufficient scope to justify that number of members. The written report should be 10-20 pages long, excluding appendices that document supporting information (e.g., input or output large datasets). Contents should follow the following contents (or others that meet guidelines of a professional journal):

Cover Page	Model Theory
Tables of Contents	Methodology
List of Figures	Results and discussion
List of Tables	Conclusions
Introduction	Recommendations
Objectives	References
System Description	Appendices (as necessary)

**Deadlines**

- a) Project Proposal: October 7, 2022, *or earlier* in instructor's mailbox.  
One page: tentative title, objective, approach, and initial list of references; student(s) must sign at the bottom of the page.
- b) Written Report: December 2, 2022, *or earlier* in instructor's mailbox.  
Maximum of 20 points equally based on both the technical content and quality of report. In the case of MS student-teams, each student will also present the instructor a detailed list of his/her contributions to the project on that day. This list will be in a sealed envelope separate from the written report.
- c) Oral Defense and Presentation: Final week (December 6, 2022, EC 1107, 5:00 PM).  
Maximum of 10 points equally based on quality of presentation and effectiveness of delivery. Duration: 20-25 minutes per student or team, as applicable, followed by questions. An electronic copy of the oral presentation, in power point format, must be presented to the instructor at the end of the oral presentation.
- d) Reports and electronic material may not be returned by the instructor. Students are thus recommended to make full copies of all turned in materials.