

CE 413 STUDY GUIDE

Format will be Open Book/Notes

Be sure to have printouts or other access to Online Readings figures and tables.

You should reread all material assigned in the class syllabus

You should review the board notes presented in class.

You should be able to demonstrate by computation that you can

1. Size a culvert of known flow by nomograph.
2. Calculate culvert flow by the stepwise hydraulic method.
3. Determine impoundment outflow by flow control eqs. (weir or orifice).
4. Calculate routing by Euler application to reservoir equation.
5. Apply the modified rational equation method to estimate detention volume.
6. Determine extended detention design volume by ASCE equation.
7. Determine basin stage/volume relation by prismatic equations or tabulated data.