

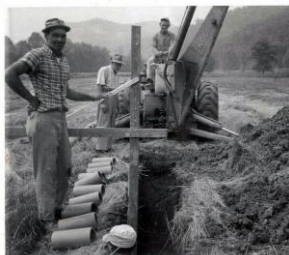
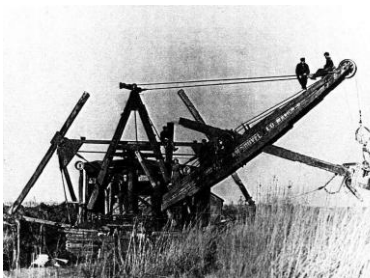


# Wetland Design

University of Louisville  
Speed School of Engineering  
2026 Summer Session



Wetland Design (CEE-694-50-4265) is a graduate-level online course that teaches how to design and build naturally appearing, fully functioning wetlands. The detailed units explain the ecological value of wetlands, how wetlands were historically drained, factors affecting site selection for restoration, techniques for wetland construction, and methods for repairing nonfunctioning wetlands. The course emphasizes practical, low-cost, and highly effective techniques for building wetlands that require little, if any, long-term maintenance. Examples from across North America demonstrate how wetlands can be constructed to improve habitat for rare animals and plants, provide water for livestock, manage stormwater, recharge groundwater, and control flooding. The course is taught by Tom Biebighauser, who has restored over 3,600 wetlands across 27 states, Canada, Puerto Rico, Mexico, and New Zealand, and is the author of four books on wetland restoration.



Visit <https://wetlandrestorationandtraining.com/training-opportunities/> for a syllabus that also describes how to register.