



CEE 495/695 Sanitary Sewer Collection System Design

Summer Courses Department of Civil and Environmental Engineering and Construction UNLV

Registration for the class is available via UNLV.

Instructor: Bryan Osborne, P.E., M.P.A., M.S.E.; Project Design Engineer and Project Manager for the Clark County Water Reclamation District.

This course encompasses the hydraulic analysis and design of municipal gravity and pressurized sanitary sewer collection systems; it also includes aspects of population projection, flow estimation, material selection, corrosion control, rehabilitation of existing structures, odor control engineering, operation and maintenance considerations as well as constructability. The course will primarily focus on local engineering standards; however, it will include other national standards as well as good engineering practice.

Municipal sanitary sewer projects are among the few that have not been severely impacted by the economic downturn in the Valley. Knowledge in the engineering of these systems may constitute a considerable advantage for both new as well as senior engineers.

The required reference book for this class (listed below) can be purchased at a **reduced cost (approx. 50%)** through ASCE, please request a purchase form from the UNLV Civil Engineering Department.

Gravity Sanitary Sewer Design and Construction (ASCE Manuals and Reports on Engineering Practice No. 60)
Publication Date: April 30, 2007 | ISBN-10: 0784409 005 | ISBN-13: 978-0784409008 | 2nd Edition.

University of Nevada
Las Vegas

4505 S. Maryland Pkwy.
Las Vegas, NV 89154-4015

Phone: 702-895-3701
Fax: 702-895-3936
<http://ce.egr.unlv.edu/>

UNLV