



<https://pixy.org/417674/10/14/2020>

**Quick Quiz:** What is the most important medical advance since 1840? Discovering DNA? Nope. Vaccines? Nope. Anesthesia? Nope. Antibiotics? Nope. According to a poll of 11,362 medical professionals reported in the *British Medical Journal*,\* the most important medical advance since 1840 is sanitation—clean water and sewage disposal. **Civil engineers to the rescue!**

This course provides the theory, software (EPANET and SWMM), and design experience required to design pipe networks to deliver potable water and sewers to collect wastewater.

*Who should take this class?*

Graduate students in Hydrologic, Environmental, and Sustainability Engineering (<http://engineering.ucdenver.edu/HESE>) take CVEN-5426. Undergraduate civil engineers take this **design course** CVEN-4426 or 5426 after earning an A/B in CVEN-3313 Fluid Mechanics.

**Instructor:** David C. Mays, P.E. Ph.D. ([david.mays@ucdenver.edu](mailto:david.mays@ucdenver.edu))

**Schedule:** M/W 2:00-3:15 pm starting Wednesday 1/18/2023

**Textbook:** Custom book available through campus bookstore in Tivoli Student Union.

**Register:** Current students → <http://www.ucdenver.edu/UCDAccess>  
Prospective students → [www.ucdenver.edu/admissions/Non-Degree](http://www.ucdenver.edu/admissions/Non-Degree)

\* [https://www.bmj.com/content/suppl/2007/01/18/334.suppl\\_1.DC3](https://www.bmj.com/content/suppl/2007/01/18/334.suppl_1.DC3) 10/15/2020.