

Summary of Course Requirements

Descriptions for Core Courses (Required)

Univ. of New Mexico	CE 531 Physical-Chemical Water and Wastewater Treatment - Principles and design of water treatment systems relying on physical-chemical processes: coagulation, flocculation, sedimentation, granular and membrane filtration, reverse osmosis, adsorption, disinfection, and advanced oxidation. Addresses principles of mass balances, chemical reactors, and mass transfer.	CE 536 Biological Wastewater Treatment - Principles and design of wastewater treatment systems which are dependent on biological organisms. Processes covered include suspended culture and fixed culture systems, nutrient removal, hybrid systems, land application and on-site treatment systems. Emphasis will be placed on fundamental interaction between the organisms, wastes, and receiving body of water.
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