# CE 475 Design of Hydraulic Structures
# Spring 2025
# Izmir Institute of Technology, Civil Engineering

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## Course Outline

| Week | Topic |
|---|---|
| 1 | Introduction – Ancient Hydraulic Structures |
| 2 | Hydraulics of Pressurized Flow |
| 3 | Design of Water Distribution Systems |
| 4 | Hydraulics of Open-Channel Flow |
| 5 | Design of Open Channels |
| 6 | Hydraulics Design for Energy Generation |
| 7 | Computer Applications for Hydraulics Structures |
| 8 | Exam |
| 9 | Hydraulic Design of Dams, Spillways |
| 10 | Hydraulic Design of Stilling Basins and Energy Dissipators |
| 11 | Hydraulic Design of Urban Drainage Systems |
| 12,13 | GIS Applications for Water Resources Planning |
| 14 | Class Presentations |