CE 323

Water Engineering for Surveying

Course Outline:

1. Fluid Mechanics and Hydraulics

- 1. Fluid Properties.
- 2. Fluid Statics.
 - Pressures at points.
 - Forces on surfaces.
- 3. Fluid Dynamics.
 - Continuity.
 - Momentum.
 - Energy.
- 4. Open Channel and Closed Conduit.

2. Hydrology:

- Hydrologic cycle and budget.
- 6. Weather.
- 7. Precipitation.
- 8. Evaporation.
- 9. Stream flow.
- 10. Ground water.

Text Books:

- 1. "Fluid Mechanics", By V.L. Streeter and E.B. Wylie.
- 2. "Hydrology for Engineers", By R. Linsley, M. Kohier and J. Pauthus.

Grading:

A0%	2 Midterm Exams.
10%	Quizzes
10%	Tutorial
40%	Final Exam.
100	Total