# Course Information

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Meeting Time(s)</th>
<th>Meeting Location(s)</th>
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<tbody>
<tr>
<td>CE 473</td>
<td>Hydrologic Analysis and Design</td>
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**Instructor Information**

- **Instructor Name**: Rolando Bravo
- **Office Location**: ENGR B-22
- **Office Hours**: M-W-F 10-12 am
- **Office Telephone**: (618) 453-7809
- **E-mail**: rbravo@siu.edu

**Course Goals and Topics**

Brief Summary of Course Goals and Topics

Hydrological cycle, stream flow analysis, hydrograph generation, frequency analysis, flood routing, watershed analysis, urban hydrology, floodplain analysis.

**Textbooks and Materials**

- **Required Textbook(s)**:

- **Required Materials and Equipment**:

- **Recommended Textbook(s)**:

- **Recommended Materials and Equipment**:

ASSIGNMENTS AND EVALUATIONS

Type and Number of Planned Assignments

<table>
<thead>
<tr>
<th>Homework (approximately 5)</th>
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<tr>
<td>Exams (2)</td>
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Methods of Evaluation

Standard:
- HW (30%)
- Exams (30%, 40%)

COURSE SCHEDULE OVERVIEW

General Outline of Course Topics

1. Hydrological Principles
2. Hydrological Analysis
3. Frequency Analysis
4. Flood Routing
5. Hydrological Simulations Models
6. Urban Hydrology
7. Floodplain Hydraulics