

Print Date: 2/16/17  
**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Water Data and Records Analysis  
**Prefix and Course Number:** WATER 208

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**Course Learning Outcomes:**

**By the end of this course, a student should be able to:**

- Collect, document and analyze hydrologic data and converting it to usable form.
- Use and understand computation and tabulation techniques commonly employed in the water resources field.
- Understand basic concepts of stream gaging including analysis and use of stage – discharge relationships.

**Course Outline:**

- I. Introduction and Review of Principles and Practices of Field Notes
- II. Stage and Discharge Measurements
- III. Hydrographs
- IV. Stage/Discharge Ratings
- V. Evaluation of Long Term Trends
- VI. Use of Maps, Charts, and Tables
- VII. Data Organization and Analysis
- VIII. Reporting on Analysis
- IX. Capstone Project – Streamflow Data Analysis Project