



BASIC MATH FOR WATER OPERATORS

TIMELINE

This class runs from 9 AM to 1:30^P AM with two 15-minute breaks

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| 9:00 AM – 9:15 AM | Course Introduction |
| 9:15 AM – 10:30 AM | Review of basic math |
| 15 minute break | |
| 10:45 AM – 12:00 PM | Overview of applying basic math for levels 1 and 2 using the Associated Boards of Certification Formula/Conversion Table. |
| 15 minute break | |
| 12:15 PM – 1:30 PM | Practice worksheets and practice exams |

AGENDA

This class will begin with a basic review of math calculations and progressively move into formulas commonly used in the water, water treatment and waste water industries. An emphasis will be made on preparing attendees to successfully take their certification exams. Presentations include PowerPoint slides, overhead projector and a whiteboard. Class materials include BMI prepared handouts, practice exams, and a math workbook. References will include the Need-To-Know criteria from the Associated Boards of Certification and their Formula/Conversion Table.

BMI is dedicated to the pursuit of clean, safe drinking water through education.

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Stephanie Martinez

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Education

2015 - B.S. in Computer Science from New Mexico Institute of Mining and Technology

Experience

- May 2016 to Present: Technical Support for Cross-Track Software at Backflow Management Inc.
- January, 2012 to December 2015: teaching assistant for introductory course in C programming language, primarily grading and tutoring. Involves analyzing solutions to problems and coding styles, assessing correctness and efficiency of answers and quality of documentation. Since 2013, have been meeting one-on-one with students for feedback sessions.
- Fall Semester, 2014: Provided grading, plus feedback sessions for course in Python programming language
- Fall Semester, 2014: Member of four-person team on challenging project in Compiler Writing, developing a C compiler in C++. Improved time management and successfully met deadlines.
- Fall Semester, 2013: Provided grading and tutoring for course in Object Oriented Programming (OOP)
- Spring Semester, 2013: Tutored for course in Algorithms and Data Structures

Skills

- Proficient Programming languages: C, C++, Java, Python, HTML, C#
- Operating Systems: Fedora Linux, Ubuntu Linux, and Windows