

# **Syllabus - Plan Reading Section**

## **Part 1 - Mathematic Formulas**

Formulas for area

Formulas for volume

How to apply formulas

## **Part 2 -- Identify Materials That Need Quantification**

Recognizing the Elements Within a Component

- 1) Using the knowledge of a component to quantify the materials needed to construct the component
- 2) Quantify plantings and supportive elements
- 3) Quantify cut and fill

## **Part 3 -- Plan Reading**

Practice Documents - In class practice on a sample plan

- 1) Quantify trees, mulch & supports
- 2) Quantify shrubs & mulch
- 3) Quantify lawn, prep work
- 4) Quantify sidewalk & prep work
- 5) Quantify patio - pavers, sub-base, sand bed
- 6) Quantify other elements of the site

Practice Test

- 1) Students take practice test about the quantities they just prepared
- 2) Class reviews the resulting answers and discusses the logic behind the correct answer.