

## CE 103

### Midterm review and important

- You have to answer two questions out of three.
- Each question has a and b part. a part is math problem and b part is theory question.
- Math problems will be straight forward like class lecture, only numbers will be changed.
- Theory questions will be short answered and direct question based on class lecture.

Syllabus for midterm: Lecture 1 to Lecture 6

### Midterm information:

Exam time: 1 hour

Type: Physical Exam

Total marks: 25

To be answered: 2 Math + 2 short theory question

Schedule: To be announced

### Important Math:

Height of instrument method (Problem 1, Lecture 3, slide 8-12),

Rise and Fall method (Problem 2, Lecture 3, Slide 13-18),

Example 5.3 (bearing, Lecture 5, slide 14-17)

Example (Lecture 6, slide 11-13)

### Important Theories:

Gunter's chain, Engineer's chain (Lecture 1, slide 11), Check line and tie line (Lecture 2, slide 7), Advantages and disadvantages of chain survey (Lecture 2, slide 20), A level (Lecture 4, slide 3, 4), Magnetic declination (Lecture 6, slide 5-6)

### Notes:

Next week, you have 2 review classes online for midterm. After the review classes, if required I will arrange physical review classes as per students' needs.