

IE-341

Section 1, CRN: 30512/513/514

Section 2, CRN: 30515/516/517

Section 3, CRN: 38299/300/301

Section 4, CRN: 65886/887/888

First Semester 1438-39 H (Fall-2017) – 3(2,1,2)

“HUMAN FACTORS ENGINEERING”

Monday, Dec. 25, 2017 (07/04/1439H)

Homework 3

Name:	Student Number: 43	Section: Mon@8/ Mon@10 / Tu / Wed
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Answer ALL of the following questions [10 points; 5 points each].

Use the slides for “Manual Materials Handling (Chapter 8) part 2 – Case Studies” to solve the following problems. Note, you must employ the three methods discussed in class to solve each problem (using tables, using formulas, and using the website).

1. Case 2: Effect of Horizontal Dist. on RWL (slide 14)
2. Case 3: Effect of Vertical Distance on RWL (slide 15)

Rules:

- You must prepare and submit the homework **individually** (this is *not* a group assignment).
- All work must be **neatly** typed and printed.
- Use **proper English**.
- Show all work and answer each question on a **separate sheet**.
- Due date: **Thursday, December 28, 2017** (10/04/1439) by 1:00 PM to Engr. Ahmed Tawheed (Ergonomics Lab). No late homework will be accepted.