

Case Study Guidelines

Ergonomics – Design Principles and Applications for Engineers

Please refer to the step-by-step guidelines below to develop and present your ergonomics Case Study. An example Case Study is available for review.

Step One – Delineate Case Study Groups

Course attendees will form Project Groups (with assistance from the Course Facilitators)

- Group size will be between 3 and 5 members
- We anticipate about 7 to 8 groups
- Group composition will be via work areas and geographic locations (MN and CA)

Step Two – Choose Case Study Project

Two options are available to choose your group's Case Study. The case studies are intended to be focused on a specific task issue as compared to an entire process.

Option One – Choose Pre-determined Project

- About five case study projects with video are available to select from
- Up to three groups can choose the same project, we think this will lead to some interesting discussions as different groups may view the same project differently with different recommendations

Option Two – Group chooses specific Project

- Group chooses a project unique to their area of interest
- This could be an existing ergonomics issue or a potential issue
- The group will need to obtain descriptive video of the project

Step Three – Perform the Case Study

1. Using the **Workstation Ergonomics Design Worksheet** and **Engineering Ergonomics Reference Guide** select and fill out the Checklists pertinent to your project (refer to the Example Case Study)
2. Analyze your findings
3. Fill out the **Workstation Configuration Worksheet** to document your results
4. We appreciate in the time frames of the course; you may not be actually implementing the proposed interventions but will be able to postulate the recommendations

Step Four – Prepare your Group Case Study Presentation

Each group will prepare their case study for presentation during the debriefing session.

1. Identify the **Checklists, Specifications** and **Guidelines** you referenced
2. Prepare your findings via the **Workstation Configuration Worksheet** and other information you deem necessary

Step Five – Present and discuss your Case Study (7 to 10 minutes allocated)

1. Introduce your case study by showing your video
2. Present your Case Study Project findings to the group
3. Course instructor will facilitate discussion