

Unit 3 - Week 01 - Introduction and Overview of Ergonomics

Course outline

How does an NPTEL online course work?

Week 0

Week 01 - Introduction and Overview of Ergonomics

Lecture 01

Lecture 02

Lecture 03

Lecture 04

Quiz : Assignment_1

Feedback for week 1

Assignment_01 Solution

Week 02- Work Physiology

Week 03 - Physical ergonomics and introduction to Cognitive ergonomics

Week 04- Cognitive Ergonomics

Week 05 - Cognitive Ergonomics (Continued)

Week 06 - Physical Work Environment

Week 07 - Tools, Techniques & Research Methodology

Week 08- Work Study

Week 09- Manual Work System

Week 10- Industrial Accidents and Injuries

Week 11- Job evaluation in organizational ergonomics

Week 12- BioMechanics

Text Transcripts

DOWNLOAD VIDEOS

Assignment_1

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

1) FJP (Fitting Job to Person) refers to:

1 point

- Designing human centered work system
- Selection and Training
- Automation
- Pace of work

No, the answer is incorrect. Score: 0

Accepted Answers:
Selection and Training

2) Ergonomics doesn't deal with:

1 point

- Economics
- Biology
- Sensing
- Product design

No, the answer is incorrect. Score: 0

Accepted Answers:
Economics

3) What does Anthropometry mean?

1 point

- Measurement of strength
- Measurement of comfortable
- Measurement of animals
- Measurement of human being

No, the answer is incorrect. Score: 0

Accepted Answers:
Measurement of human being

4) Ergonomics in system design is used to make the system work better by eliminating which aspects?

1 point

- Fatigue
- Inefficiency
- Both
- None

No, the answer is incorrect. Score: 0

Accepted Answers:
Both

5) How many types of anthropometric data used in ergonomics?

1 point

- Two
- Three
- Four
- Five

No, the answer is incorrect. Score: 0

Accepted Answers:
Three

6) Which Process doesn't come under a cognitive process?

1 point

- Perception
- Sensing
- Perspiration
- Selection of response

No, the answer is incorrect. Score: 0

Accepted Answers:
Perspiration

7) What is(are) objective(s) of ergonomics?

1 point

- Avoid error and mistakes
- Avoid accidents and injuries
- Greater efficiency and productivity
- All of the above.

No, the answer is incorrect. Score: 0

Accepted Answers:
All of the above.

8) Based on the process which causes physiological variation?

1 point

- Comparative physiology
- Medical physiology
- Evolutionary physiology
- None of the above

No, the answer is incorrect. Score: 0

Accepted Answers:
Evolutionary physiology

9) Which of the following is a subset of physical ergonomics?

1 point

- Musculoskeletal system
- Attention resources
- Execution of response
- Physical Work Environment

No, the answer is incorrect. Score: 0

Accepted Answers:
Musculoskeletal system

10) What is the factor which is to be considered while the interaction of human with machine but is not a physical environmental component?

1 point

- Lighting
- Location
- Pace of work
- Noise

No, the answer is incorrect. Score: 0

Accepted Answers:
Pace of work