

Chapter 1

Introduction to Human Factors

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- Goals of human factors
 - Enhances performance (e.g., increase in productivity)
 - Increases safety (e.g., reduce in injuries)
 - Increases user satisfaction (e.g., increase in users' acceptance)

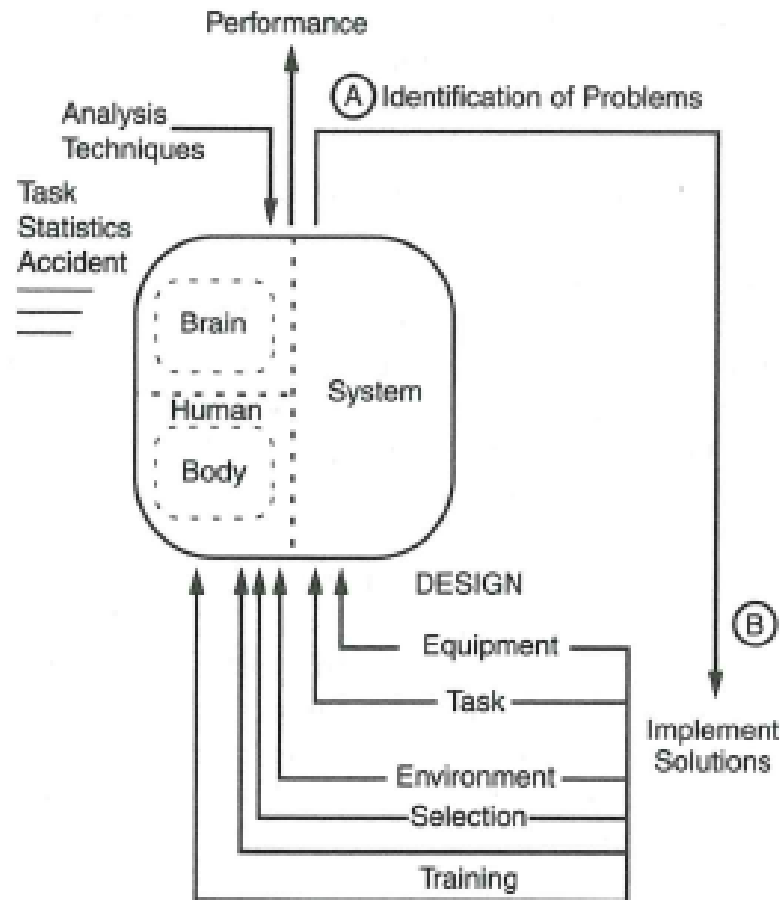


FIGURE 1.1

The cycle of human factors. Point A identifies a cycle when human factors solutions are sought because a problem (e.g., accident or incident) has been observed in the human-system interaction. Point B identifies a point where good human factors are applied at the beginning of a design cycle.

Scope of human factors

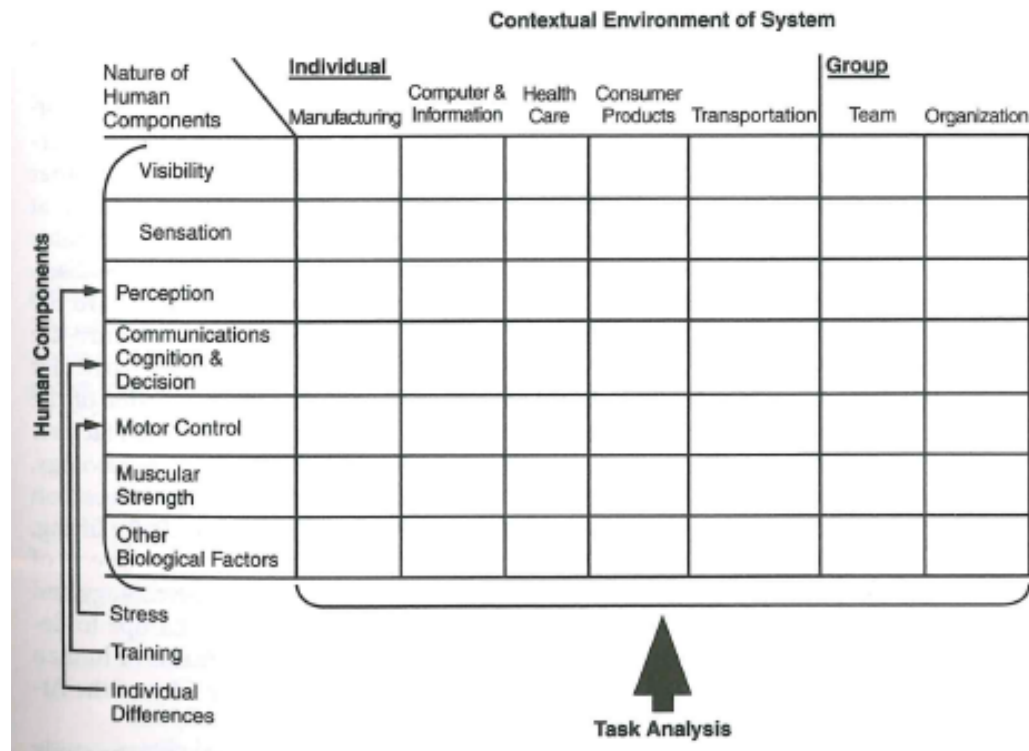


Figure 1.2, Wickens et.al (1998); Introduction to Human Factors Engineering

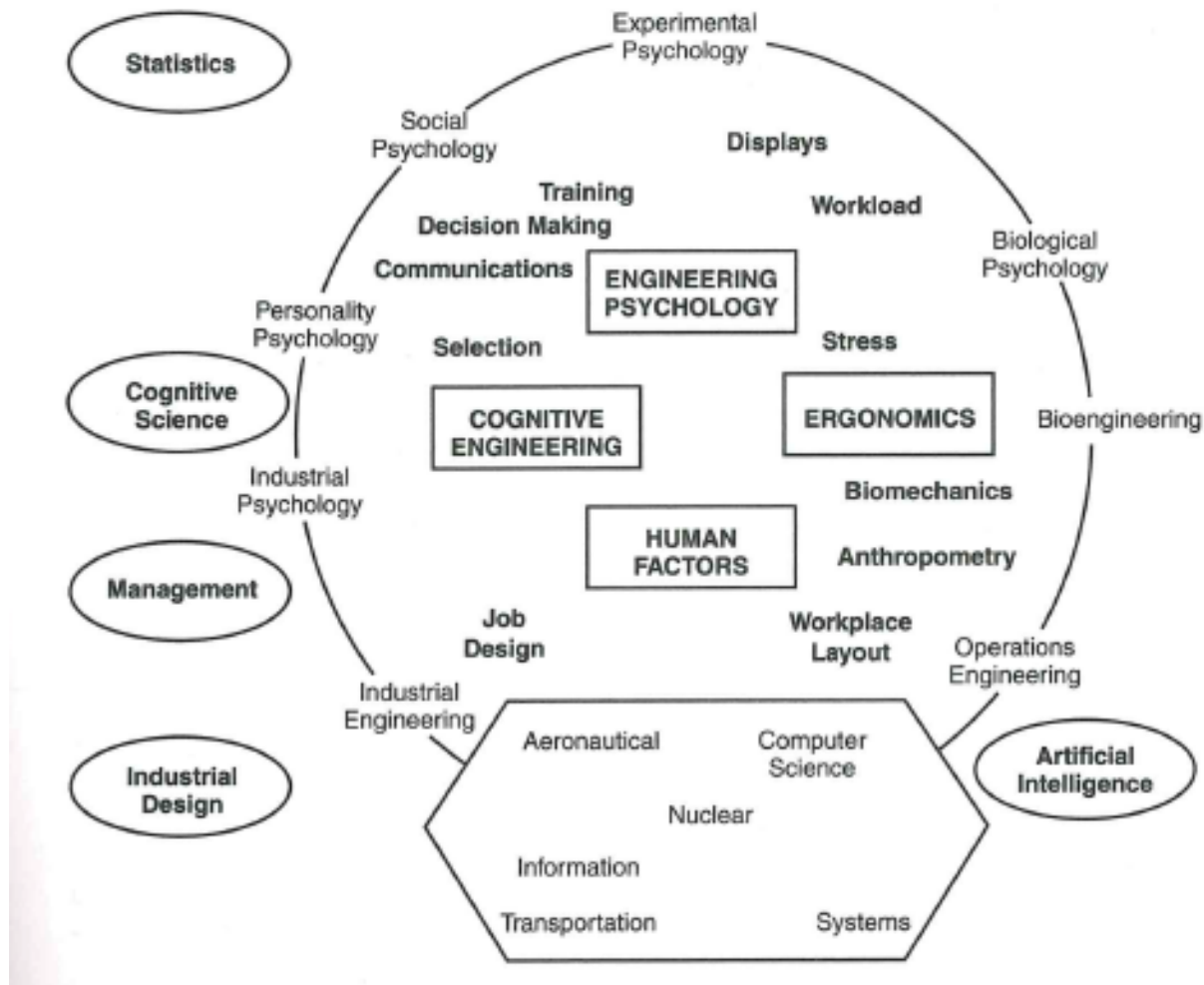


Figure 1.3, Wickens et.al (1998); Introduction to Human Factors Engineering