

HFS103 Psychology for Human Factors

Level: 1

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

Synopsis:

It is important that human factors practitioners have a strong foundation in the study of human behaviour. This introductory course in psychology provides the theoretical foundations of human functioning in areas such as perception and consciousness, motivation and emotion, personality and individuality, social behavior as well as altered states. It gives student an insightful understanding of the complexities of human relationships in personal, social, and vocational settings. In each topic covered, students are guided to its relevance to human factors studies, for example, how to design better user interfaces through a thorough appreciation of human perception and consciousness or how to design pleasurable consumer products through a better understanding of human emotion.

Topics:

- History of Psychology, Research Methodology
- Health and Stress
- Social and Personality Psychology
- Visual Perception
- Thinking and Intelligence
- Memory

Textbooks:

Zimbardo, P.G., Johnson, R.L., & McCann, V.: Psychology: Core concepts (VBID 9781292034478 eText) 7th Edition 2014 (PNIE Edition) Boston, MA: Pearson
ISBN-13: 9781292034478

Zimbardo, P.G., Johnson, R.L., & McCann, V.: Psychology: Core concepts (VBID 9781292034478 eText) 7th Edition 2014 (PNIE Edition) Boston, MA: Pearson
ISBN-13: 9781292034478-AA

Learning Outcome:

- Define the theories and concepts in psychology.
- Describe the types of psychological problems in various working environment.
- Illustrate potential solutions to simple psychological problems.
- Apply various psychological tests to collect data for analysis.
- Discuss general findings of potential psychological issues in the workplace .
- Explain basic psychological concepts and initiate simple improvements to the work environment.

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
QUIZ	10
LAB REPORT	20
Sub-Total	30

Examinable Component	Weightage (%)
Written Exam	70
Sub-Total	70

Weightage Total **100**