

危害標示設計對使用者理解力、視覺績效及危害性知覺的影響

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摘要

危害標示是目前在工廠中常使用的資訊傳達方式它可以幫助使用者遠離危險，保障自己的生命安全，其標示設計對於使用者的影響，值得深入探討。因此，本研究設計三個實驗針對危害標示設計對使用者的理解力、視覺績效及危害性知覺的影響進行探討。實驗一探討危害標示、主修專長及危害訓練對理解力之影響。危害標示分為12個水準、主修專長共3水準分為工學院、管學院及設計學院和危害標示訓練分成3水準分別為訓練前、訓練後及訓練後一個月。研究結果顯示危害標示和訓練對理解力皆有顯著的影響。主修專長以工院對危害標示的理解力最好，在訓練方面則以訓練後有最佳的理解力績效。設計良好的危害標示對於受試者的理解力有較佳的表現。實驗二探討探討危害標示、警字及主修專長對危害性知覺及注意力的影響。危害標示有13個水準、警字有2水準，分別為危險-紅色及無警字，主修專長同實驗一為3水準。研究結果顯示主修專長對於危害知覺性及注意力沒有顯著的影響。在危害標示方面則因為不同的標示名稱、標示圖形及標示背景顏色對於危害性知覺及注意力有顯著的影響。除此之外，危害標示加上警字有助於提升危害性知覺及注意。實驗三則探討圖形及文字顏色、背景顏色、訓練及照度對於三種危害標示在視覺績效的影響。圖形及文字顏色分為2水準(黑色及白色)、背景顏色(白色及褐色)、訓練(訓練前及訓練後)及照度(100及800 lx)。研究結果顯示圖形及文字顏色及訓練對於提升視覺績效有影響。圖形及文字顏色以黑色有較佳的視覺績效，而訓練則以訓練後對於視覺績效有較好的表現。

關鍵詞：危害標示；理解力；危害性知覺；注意力；視覺辨識績效

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