

## **Health, Safety and Welfare (HSW) guidelines:**

1. **Health:** Aspects of architecture that have beneficial or salutary effects on occupants and users of buildings or sites and address environmental concerns.
2. **Safety:** Aspects of architecture intended to limit or prevent accidental injury or death of occupants and users of buildings or sites.
3. **Welfare:** Aspects of architecture that engender demonstrable positive emotional responses from, or enable equal access by, users of buildings or sites.

## **HSW Topics:**

- **Building systems:** Structural, mechanical, electrical, plumbing, communications, lighting, acoustics, egress, security and fire protection
- **Construction contract administration:** Contracts, bidding and contract negotiations
- **Construction documents:** Drawings, specifications and delivery methods
- **Design:** Urban planning, master planning, building design, site design, interiors, safety and security measures
- **Environmental:** Energy efficiency, sustainability, natural resources, natural hazards, hazardous materials, health impact analysis, occupant comfort, air quality, ventilation, weatherproofing and insulation
- **Legal:** Laws, codes, zoning, regulations, standards, life safety, accessibility, ethics and insurance to protect owners and the public
- **Materials and methods:** Construction systems, products, finishes, furnishings and equipment
- **Pre-design:** Land use analysis, urban ecology, programming, site selection, site and soils analysis and surveying
- **Preservation:** Historic, reuse and adaptation

For HSW course qualification, three-quarters of the content and instructional time of a course must be focused on acceptable HSW topics to enable the class to count as HSW credits. For example, at least 45 minutes of a one-hour course must be spent discussing HSW topics.