Republic of Rwanda
Ministry of Education

RTB | RWANDA TVET BOARD

Interior space safety measures

INDSM401

Comply with Interior Space Safety Measures

Competence

RQF Level: 4

Learning Hours 30

Credits: 3

Sector: Construction and Building Services

Trade: Interior Design

Module Type: General module

Curriculum: CBSIND401-TVET Certificate IV in Interior Design

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<table>
<tr><td>Purpose statement</td><td colspan="6">This module describes skills, knowledge and attitudes required to create a secure and hazard-free environment for interior working space. These measures aim to prevent accidents, injuries, and property damage within interior spaces. The primary objectives of interior space safety measures include working Safety, Emergency plan, hazard Identification and Mitigation, compliance with Building Codes and Regulations, risk Assessment and Management.</td></tr>
<tr><td>Learning assumed to be in place</td><td colspan="6">N/A</td></tr>
<tr><td rowspan="6">Delivery modality</td><td colspan="2">Training delivery</td><td>100%</td><td colspan="2">Assessment</td><td>Total 100%</td></tr>
<tr><td colspan="2">Theoretical content</td><td>30%</td><td rowspan="4">Formative assessment</td><td>30%</td><td rowspan="4">50%</td></tr>
<tr><td colspan="3">Practical work:</td><td rowspan="3">70%</td><td rowspan="3">70%</td></tr>
<tr><td>• Group work and presentation</td><td>30%</td></tr>
<tr><td>• Individual work</td><td>40%</td></tr>
<tr><td colspan="2"></td><td colspan="2">Summative Assessment</td><td>50%</td></tr>
</table>

Elements of Competency and Performance Criteria

Elements of competency	Performance criteria
1. Identify hazardous objects	1.1. Hazardous objects are properly identified in line with hazard categories
	1.2. Hazardous object labels are correctly provided based on the hazard categories
	1.3. Hazardous machineries are properly identified based on safety regulations
2. Apply safety precaution measures	2.1. Emergency plans are well provided according to the interior space location
	2.2. Personal Protective and first aids equipment are effectively and efficiently applied as per safety precaution measures
	2.3. Warning board and machinery instructions are well applied as per safety regulations

3. Prepare hazards Report	3.1. Potential hazards are well recognized as per safety regulations
	3.2. Hazard accidents are effectively communicated to the supervisor based on the severity of the accident
	3.3. Accident report is effectively prepared in accordance to Accident documentations

Intended Knowledge, Skills and Attitude

Knowledge	Skills	Attitude
✓ Describe measurements ✓ Describe material properties ✓ Recognize interior space functions ✓ Identify hazardous materials and areas ✓ Identify report templates ✓ Determine acoustics and noise levels	✓ Perform measurement conversion and calculations ✓ Prepare work plan ✓ Determine safety measures ✓ Communicate findings and recommendations clearly ✓ Analyse space planning, arrangement and sustainability ✓ Assess ease of movement and accessibility ✓ Measure acoustics and noise levels	✓ Pay attention to details and precision during space assessment ✓ Comply with codes and regulations ✓ Collaborate with clients and stakeholders

Course content

Learning outcomes	At the end of the module the learner will be able to:
	1. Identify hazardous objects

	2. Apply safety precaution measures 3. Prepare hazards Report
Learning outcome 1: Identify hazardous objects	**Learning hours: 10**
Indicative content	
• **Hazards categories** ✓ Physical ✓ Chemical ✓ Electrical • **Types of hazardous objects** ✓ Materials ✓ machineries ✓ Tools • **Labelling** ✓ Interior safety labels and signs ✓ Common areas for labelling ✓ Tips for effective labelling • Safety regulations	
Resources required for the learning outcome	
Equipment	▪ Helmet ▪ Face mask ▪ ear plug ▪ gloves ▪ Safety boots ▪ goggles ▪ Belts

	▪ Overall ▪ ladder ▪ scaffolding
Materials	▪ Paint ▪ masking tape ▪ Adhesive ▪ Papers ▪ Vinyl
Tools	▪ Visual aids ▪ Printers ▪ Warning board ▪ Warning tape
Facilitation techniques	▪ Teacher creates small groups and give students topics to discuss on hazard categories and present their findings ▪ Teacher organizes a role play activity that simulates the interior workplace containing hazardous objects and asks students to sort out different hazardous objects ▪ Students are engaged in plenary session
Formative assessment methods /(CAT)	▪ Oral presentation ▪ Performance assessment

Learning outcome 2: Apply safety precaution measures	**Learning hours: 15**
Indicative content	
✓ **Emergency plan for the interior space** ✓ **Safety precaution measures** ✓ Personal protective equipment ✓ First aids	

- ✓ Warning board
- ✓ Medical insurances
- ✓ Machinery instructions
- ✓ Trainings on safety
- ✓ Safety regulations
- ✓ Alarm system
- ✓ Security camera
- ✓ Smoke detectors

Resources required for the learning outcome	
Equipment	▪ Helmet ▪ Face mask ▪ Ear plug ▪ Gloves ▪ Safety boots ▪ Goggles ▪ Belts ▪ Overall ▪ Fire extinguishers ▪ Alarm system ▪ Security camera ▪ Smoke detectors ▪ hose pipes
Materials	▪ Filing powder ▪ sand ▪ water ▪ foam ▪ blanket ▪ warning tape

Tools	▪ Paint ▪ First Aid Tool Kit
Facilitation techniques	▪ Teacher creates small groups of students and asks them to discuss on the possible emergencies and propose safety precaution measures to be applied. ▪ Teacher organizes a role play activity that includes emergency situation such as fire, accidents and hazards. ▪ Students are asked to propose emergency plans and apply relevant safety precaution measures with teachers' assistance. ▪ Students share their experiences during the role play activity and the teacher provides feedbacks.
Formative assessment methods /(CAT)	▪ Oral presentation ▪ Performance assessments

Learning outcome 3: Prepare hazards Report	**Learning hours: 5**
Indicative content	

- **Potential hazards**
  - ✓ Fire
  - ✓ Accident
  - ✓ Electricity
  - ✓ Chemical substances
  - ✓ Weather condition
    - wind
    - rain
- **Hazard accidents**
  - ✓ slips
  - ✓ falling objects
  - ✓ electrical accidents
  - ✓ cuts
  - ✓ Ergonomic injuries
  - ✓ explosion

- **Accident report**
  - ✓ Elements of accident report
    - date, time and location
    - identifications of parties involved
    - description of accident
    - injuries or damages
    - immediate response firs aids
    - investigation and analysis
    - preventive measures
    - signature and dates

Resources required for the learning outcome	
Equipment	▪ Computer ▪ Printer ▪ Camera
Materials	▪ Paper ▪ Flipchart
Tools	▪ Pens ▪ internet ▪ Phones
Facilitation techniques	▪ Referring to the previous role play activity; each group of students is asked to prepare and present a hazard report. ▪ Teacher conducts question and answer session and provides feedbacks
Formative assessment methods /(CAT)	▪ Oral presentation ▪ Written assessment

References

1. Sinnott, R. (1985). *Safety and security in building design*. Van Nostrand Reinhold.

2. Imrie, R., & Street, E. (2011). *Architectural Design and Regulation*. Wiley.

3. Schlereth, L. (2009, February 26). *Health and safety in interior design - Lizzy's blog*. Lizzy's blog

4. *Health and Safety in Interior Design*. (2021, April 9). SALMON Health and Retirement. Retrieved May 25, 2023, from https://salmonhealth.com/blog/interior-design-with-safety-in-mind/