

**COURSE CTR3210: SAFETY MANAGEMENT SYSTEMS****Level:** Advanced**Theme:** Job Safety Skills**Prerequisites:** CTR1210 Personal Safety Management  
CTR2210 Workplace Safety Practices**Description:** Students conduct an in-depth investigation of safety management systems and demonstrate the ability to design a safety program for a selected business/industry.**Parameters:** Access to persons with specialized safety qualifications.**Curriculum and Assessment Standards**

General Outcomes	Assessment Criteria and Conditions	Suggested Emphasis
<i>The student will:</i>	<i>Assessment of student achievement should be based on:</i>	
<ul style="list-style-type: none"> <li>define “loss control” and describe “loss control” practices in a selected business/industry</li> </ul>	<ul style="list-style-type: none"> <li>demonstrating knowledge of:               <ul style="list-style-type: none"> <li>– loss control</li> <li>– accident/incident causation</li> <li>– safety-related standards</li> <li>– safety management practices.</li> </ul> </li> </ul> <p><i>Assessment Tool</i> <i>CTR3210–1: Loss Control</i></p>	20
<ul style="list-style-type: none"> <li>design a safety program for a selected business/ industry, and specify safety management practices, standards and documentation requirements/procedures</li> </ul>	<ul style="list-style-type: none"> <li>preparing a safety program for a teacher-approved business.</li> </ul> <p><i>Assessment Tool</i> <i>CTR3210–3: Safety Program</i></p>	30
<ul style="list-style-type: none"> <li>gather and analyze accident/incident information, identify causation and recommend preventative measures</li> </ul>	<ul style="list-style-type: none"> <li>completing an investigation of an accident/incident to the recommendation stage to an accident/incident investigation standard checklist.</li> </ul> <p><i>Assessment Tool</i> <i>CTR3210–2: Investigation</i></p>	50
<ul style="list-style-type: none"> <li>demonstrate basic competencies.</li> </ul>	<ul style="list-style-type: none"> <li>observations of individual effort and interpersonal interaction during the learning process.</li> </ul> <p><i>Assessment Tool</i> <i>Basic Competencies Reference Guide and any assessment tools noted above</i></p>	Integrated throughout

**COURSE CTR3210: SAFETY MANAGEMENT SYSTEMS (continued)**

Concept	Specific Outcomes	Notes
Loss Control	<p><i>The student should:</i></p> <ul style="list-style-type: none"> <li>• define the terms:               <ul style="list-style-type: none"> <li>– loss</li> <li>– loss control</li> <li>– accident</li> <li>– incident</li> <li>– safety as it relates to loss control</li> </ul> </li> <li>• identify and describe the International Loss Control Institute (ILCI) Loss Causation Model</li> <li>• explain the relationship between direct and indirect (hidden) costs of loss and how this relates to business profitability</li> <li>• identify immediate and basic causes used in the ILCI Loss Causation Model.</li> <li>• research and report on loss control practices used in a selected business/industry.</li> </ul>	<p>Reference text practical loss control leadership.</p> <p>Other loss causation models are in use and may be equally as effective, generally similar components.</p> <p>Case study or live investigation may be used.</p>
<p>Accident/Incident Investigation</p> <ul style="list-style-type: none"> <li>• Sequence of an Investigation</li> </ul>	<ul style="list-style-type: none"> <li>• identify and describe the basic elements of accident/incident investigation reports including:               <ul style="list-style-type: none"> <li>– identifying information</li> <li>– description of incident</li> <li>– causation</li> <li>– recommendations and follow-up</li> <li>– signatures</li> </ul> </li> <li>• identify and describe the sequential steps of an investigation; e.g.:               <ul style="list-style-type: none"> <li>– respond and preserve scene</li> <li>– gather information</li> <li>– analyze and evaluate causes</li> <li>– develop and take remedial action</li> <li>– review findings and recommendations</li> <li>– follow-up</li> </ul> </li> <li>• focusing on identifying information and description, compile and analyze information from a case study or scenario and arrange in a logical order</li> <li>• focusing on causation, analyze and determine factors contributing to the accident/incident</li> <li>• focusing on recommendations, propose actions that will prevent the occurrence of similar accidents/incidents.</li> </ul>	<p>Sample accident reports may be obtained from local business or in Student Learning Guide.</p>

**COURSE CTR3210: SAFETY MANAGEMENT SYSTEMS (continued)**

Concept	Specific Outcomes	Notes
Safety Programs	<p><i>The student should:</i></p> <ul style="list-style-type: none"> <li>• using an accepted model with limited elements, and in consultation with stakeholders, design a safety program for a selected business/industry</li> <li>• identify safety management practices to be used</li> <li>• cite standards</li> <li>• list/prepare documentation to be used.</li> </ul>	
Data Management	<ul style="list-style-type: none"> <li>• identify and describe types of safety data compiled by:               <ul style="list-style-type: none"> <li>– business/industry</li> <li>– OH&amp;S</li> <li>– WCB</li> <li>– insurance companies.</li> </ul> </li> <li>• describe the impact of accident/incident occurrences on:               <ul style="list-style-type: none"> <li>– productivity</li> <li>– insurance rates</li> <li>– WCB assessments</li> <li>– quality control.</li> </ul> </li> </ul>	

