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|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module Title:</b>                                                                                                                               | Industrial Compliance, Safety and Law                                                                                                                                                                                                                                               |
| <b>Language of Instruction:</b>                                                                                                                    | English                                                                                                                                                                                                                                                                             |
| <b>Credits:</b>                                                                                                                                    | 5                                                                                                                                                                                                                                                                                   |
| <b>NFQ Level:</b>                                                                                                                                  | 7                                                                                                                                                                                                                                                                                   |
| <b>Module Delivered In</b>                                                                                                                         | <a href="#">2 programme(s)</a>                                                                                                                                                                                                                                                      |
| <b>Module Aim:</b>                                                                                                                                 | To give students an understanding of compliance, safety, and law with respect to industrial settings. To discuss the major components of key Irish health and safety legislation. To apply the concepts of hazard identification, risk assessment, and controls to work situations. |
| <b>Learning Outcomes</b>                                                                                                                           |                                                                                                                                                                                                                                                                                     |
| <i>On successful completion of this module the learner should be able to:</i>                                                                      |                                                                                                                                                                                                                                                                                     |
| LO1                                                                                                                                                | To recognise ergonomic, mechanical, chemical, and psychosocial hazards in the Irish workplace setting and make recommendations to mitigate the associated risks.                                                                                                                    |
| LO2                                                                                                                                                | To explain the components of a safety management system and advise on the development of a safety management system for a low-risk business.                                                                                                                                        |
| LO3                                                                                                                                                | To understand the need and role of regulations and standards with industries.                                                                                                                                                                                                       |
| LO4                                                                                                                                                | Describe the responsibilities of the people at various levels of the organisation in regard to standards, regulation, compliance, and health and safety.                                                                                                                            |
| <b>Pre-requisite learning</b>                                                                                                                      |                                                                                                                                                                                                                                                                                     |
| <b>Module Recommendations</b><br><i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>         |                                                                                                                                                                                                                                                                                     |
| No recommendations listed                                                                                                                          |                                                                                                                                                                                                                                                                                     |
| <b>Incompatible Modules</b><br><i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i> |                                                                                                                                                                                                                                                                                     |
| No incompatible modules listed                                                                                                                     |                                                                                                                                                                                                                                                                                     |
| <b>Co-requisite Modules</b>                                                                                                                        |                                                                                                                                                                                                                                                                                     |
| No Co-requisite modules listed                                                                                                                     |                                                                                                                                                                                                                                                                                     |
| <b>Requirements</b><br><i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>          |                                                                                                                                                                                                                                                                                     |
| No requirements listed                                                                                                                             |                                                                                                                                                                                                                                                                                     |

## Module Content & Assessment

### Indicative Content

#### Health and Safety

Human Factors in safety, health and welfare in work Risk management Technical Safety and working safely. Health and safety legislation Environmental issues within health and safety practices

#### Standards and Regulation

Definition of Standards. The need and role of the standards within manufacturing and industry. Standards bodies within Ireland and the EU. The use of quality control systems within production environments. Overview of regulations within business and manufacturing environments.

#### Law and Ethics

Describe the responsibilities of the people at various levels of the organisation in regard to standards, regulation, compliance, and health and safety. Description of the laws surrounding health and safety. The rights of employees and employers and how these rights are enforced. Business ethics, ethics related to production and industrial environments.

| Assessment Breakdown             | %      |
|----------------------------------|--------|
| Continuous Assessment            | 50.00% |
| End of Module Formal Examination | 50.00% |

### Continuous Assessment

| Assessment Type | Assessment Description             | Outcome addressed | % of total | Assessment Date |
|-----------------|------------------------------------|-------------------|------------|-----------------|
| Examination     | Class assessments and presentation | 1,2,3,4           | 50.00      | n/a             |

No Project

No Practical

### End of Module Formal Examination

| Assessment Type | Assessment Description      | Outcome addressed | % of total | Assessment Date |
|-----------------|-----------------------------|-------------------|------------|-----------------|
| Formal Exam     | End of Semester examination | 1,2,3,4           | 50.00      | End-of-Semester |

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

**Module Workload**

| <b>Workload: Full Time</b> |                  |                                            |
|----------------------------|------------------|--------------------------------------------|
| <i>Workload Type</i>       | <i>Frequency</i> | <i>Average Weekly<br/>Learner Workload</i> |
| Lecture                    | Every<br>Week    | 2.00                                       |
| Independent Learning Time  | Every<br>Week    | 2.00                                       |
| Total Hours                |                  | 4.00                                       |

**Module Delivered In**

| Programme Code | Programme                                                                           | Semester | Delivery  |
|----------------|-------------------------------------------------------------------------------------|----------|-----------|
| CW_EEROB_B     | <a href="#">Bachelor of Engineering (Honours) in Robotics and Automated Systems</a> | 5        | Mandatory |
| CW_EEROO_D     | <a href="#">Bachelor of Engineering in Robotics and Automated Systems</a>           | 5        | Mandatory |