Unit 1. Investigates and analyses the demands for ergonomics design to ensure appropriate interaction between work, product and environment, and human needs, capabilities and limitations

1.1 Understands the theoretical bases for ergonomics planning and review.

1.2 Understands, and builds their research and applications on, existing high quality state of the art and best practice.

1.3 Applies a systems approach to analysis.

1.4 Understands the requirements for safety, the concepts of risk, risk assessment and risk management.

1.5 Understands and can cope with the diversity of factors influencing human performance and quality of life, and their inter-relationships.

1.6 Demonstrates an understanding of methods of measurement and interpretation relevant to ergonomics appraisal and design.

1.7 Recognises the extent and limitations to their own professional competence

Unit 2. Analyses and interprets findings of ergonomics investigations

2.1 Evaluates products or work situations in relation to expectations for safe, satisfying and effective performance.

2.2 Appreciates the effect of factors influencing attitudes, health and human performance.

2.3 Analyses and interprets research data accurately and without bias, consulting appropriately where required.

2.4 Understands relevant current theory, guidelines, standards and legislation.

2.5 Makes and can justify decisions regarding relevant criteria which would influence a new design or a solution to a specified problem.

Unit 3. Documents ergonomics findings appropriately.

3.1 Provides a succinct report in terms understandable by the client and appropriate to the project or problem.

3.2 Communicates clearly and effectively with clients, other stakeholders (including the relevant work force) if possible, and the general public and scientific community if feasible.
Unit 4. Determines the compatibility of human capabilities with planned or existing demands.

4.1 Appreciates the extent of human variability influencing design.

4.2 Determines the quality of match and the interaction between a person's characteristics, abilities, capacities and motivation, and the organisation, the planned or existing environment, the products used, equipment, work systems, machines and tasks.

4.3 Identifies potential or existing high risk areas and high risk tasks, where risk is to health and safety of the individual completing the task or to any others affected.

4.4 Determines whether the source of a problem is amenable to ergonomics intervention.

4.5 Justifies decisions on ergonomics interventions or implementations.

Unit 5. Develops a plan for ergonomics design or intervention

5.1 Adopts a holistic view of ergonomics.

5.2 Incorporates approaches which would improve quality of life as well as performance.

5.3 Develops strategies to introduce a new design

5.4 Considers alternatives for improvement of the match between the person and the product, the task or the environment.

5.5 Develops a balanced plan for risk control, with understanding of prioritisation and costs and benefits involved.

5.6 Communicates effectively with the client, any stakeholders, the public and professional colleagues.

Unit 6. Makes appropriate recommendations for ergonomics changes

6.1 Makes and justifies appropriate recommendations for design-based changes

6.2 Makes and justifies appropriate recommendations for organisational planning-based changes

6.3 Makes and justifies appropriate recommendations for personnel selection, education and training

Unit 7. Implements recommendations to improve human performance

7.1 Relates effectively to clients and all stakeholders, at all levels of personnel.

7.2 Supervises the application of any ergonomics plan.

7.3 Implements and manages change effectively and sympathetically

Unit 8. Evaluates outcome of implementing ergonomics recommendations

8.1 Monitors effectively the results of ergonomics change implementation

8.2 Carries out evaluative research relevant to ergonomics

8.3 Makes sound judgements on the quality and effectiveness of ergonomics change implementation

8.4 Modifies a design or program in accordance with the results of evaluation, where necessary.

8.5 Understands the principles of cost-benefit analysis for any ergonomics change.
Unit 9. Demonstrates professional behaviour

9.1 Shows a commitment to ethical practice and high standards of performance and acts in accordance with legal requirement, in all laboratory research, field research, practical application and any related activities.

9.2 Recognises personal and professional strengths and limitations and acknowledges the abilities of others.

9.3 Maintains up-to-date knowledge of scientific state of the art and national strategies, relevant to ergonomics practice.

9.4 Places their theories, methods, findings and interpretations into the scientific and public forum whenever possible.

9.5 Recognises the impact of ergonomics on people’s lives.