

Thematic areas and allocate subject units

- **Physiology – Influence of work on human body**
 1. Anatomy MSKS & Muscle physiology
 2. Motor Control & Behavior
 3. Cardio-vascular ergonomics
 4. Endocrine System and work
- **Science of Ergonomics – Ergonomic Factors**
 1. Introduction of Ergonomics – Ergonomic risk factors
 2. Injury mechanisms during work
 3. Injury prevention and care at work
- **Occupational Biomechanics – assessment methods**
 1. Basics in occupational biomechanics
 2. Biomechanical Assessment methods
 3. Applied occupational biomechanics – ergonomics
 4. EMG – goniometry – inclinometry
 5. EMG and Stress
- **Ergonomic Analysis**
 1. Ergonomic observation methods
 2. Ergonomic analysis of displays and Video based Electronics
 3. Cognitive tasks
 4. Psychosocial models at work
 5. Stress at work
 6. Questionnaires Interview
 7. NIOSH lifting equation
 8. Ergonomic analysis at PC work station
- **Ergonomic Interventions**
 1. Ergonomic interventions(individual)
 2. Ergonomic interventions (organizational)
- **Sectors of Safety at work**
 1. Introduction of the occupational safety
 2. Cancer factors at work
 3. Biological factors at work
 4. Building demands and infrastructure at the work place
 5. Signaling at the work place
 6. Lighting at the work place
 7. Ventilation – air conditioning at the work place
 8. Radiation at the work place
 9. Protection from electricity
 10. Noise at the work place
 11. Thermal environment and work
 12. Vibrations at the work place
 13. Fire protection
 14. Chemical factors at the work place
 15. Self Protection Means
- **Health and Safety of the work force**
 1. The role of the State and other Organizations for Hygiene and Safety
 2. General principals of Greek Legislation about Safety and Health of the workforce
 3. Role of the Occupational Doctor
 4. Occupational diseases
 5. Health and Safety in the Hospital work environment
 6. Psycho-Somatic diseases in the Work Place
- **Environmental protection – Procedures for Inspection**

and Check of the work place

1. Legislation for the Environmental Protection
2. Organization of the procedures of check and inspection
3. Check lists
4. Recording and Processing of the accident data
5. Risk Assessment