

İÜT239 - ERGONOMICS - Kozaklı Meslek Yüksekokulu - Terapi ve Rehabilitasyon Bölümü
General Info

Objectives of the Course

The aim of this course is to examine the work-related musculoskeletal system problems and risk factors, to analyze the effects of the work environment on the work performance of the employees, to gain knowledge about work analysis, ergonomic approaches for the prevention of workplace injuries, accidents and fatigue.

Course Contents

Examination of work-related musculoskeletal injuries Personal and environmental risk factors that cause musculoskeletal problems Business analysis and evaluation of the business environment Ergonomic approaches to be applied in the work environment

Recommended or Required Reading

Bilgisayar
ProjeKtör Ergonomics for Therapists Book • Third Edition • 2008 OCCUPATIONAL ERGONOMICS A Practical Approach

Planned Learning Activities and Teaching Methods

lecture, question and answer, slide show

Recommended Optional Programme Components

Does not exit.

Instructor's Assistants

Does not exist.

Presentation Of Course

The course is taught face-to-face

Dersi Veren Öğretim Elemanları

Inst. Mustafa Güven

Program Outcomes

1. Define the general concepts of ergonomics.
2. Gain knowledge about the causes and prevention of work-related musculoskeletal injuries.
3. Analyzes a person's anthropometric characteristics to identify risk factors that cause musculoskeletal problems
4. Gain knowledge about work-related psychosocial risk factors and prevention.

Weekly Contents

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
1	Ergonomics for therapists 2008 Pages:1-17 Lecture Notes		lecture, question and answer, slide show	Introduction to ergonomics	
2	Occupational Ergonomics A Practical Approach 2016 Pages: 283-327 Lecture Notes		lecture, question and answer, slide show	Cumulative trauma diseases	
3	Occupational Ergonomics A Practical Approach 2016 Pages: 283-327 Lecture Notes		lecture, question and answer, slide show	Carpal Tunnel Syndrome	
4	Occupational Ergonomics A Practical Approach 2016 Pages: 283-327 Lecture Notes		lecture, question and answer, slide show	Low back pain	
5	Ergonomics for therapists 2008 PAGES:73-103 Lecture Notes		lecture, question and answer, slide show	Work-related risk factors	
6	Ergonomics for therapists 2008 PAGES:73-103 Lecture Notes		lecture, question and answer, slide show	Work-related risk factors	
7	Ergonomics for therapists 2008 Pages:48-73 Lecture Notes		lecture, question and answer, slide show	Ergonomic Risk Assessment Methods	
8				Midterm Exam	
9	Occupational Ergonomics A Practical Approach 2016 Pages: 77-111 Lecture Notes		lecture, question and answer, slide show	Ergonomic approaches in the workplace	
10	Ergonomics for therapists 2008 Pages:137-151 Lecture Notes		lecture, question and answer, slide show	Environmental risk factors (heat, lighting, humidity, noise, vibration, air quality)	
11	Ergonomics for therapists 2008 Pages:103-123 Lecture Notes		lecture, question and answer, slide show	Psychosocial Factors	
12	Ergonomics for therapists 2008 Pages:103-123 Lecture Notes		lecture, question and answer, slide show	Protecting Psychosocial Health in the Workplace	
13	Ergonomics for therapists 2008 Pages:277-313 Lecture Notes		lecture, question and answer, slide show	Accessibility and Universal Design	
14	Ergonomics for therapists 2008 Pages:265-277 Lecture Notes		lecture, question and answer, slide show	Aging and Ergonomics Approaches	
15			lecture, question and answer, slide show	General Review	

Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Teorik Ders Anlatım	14	2,00
Ara Sınav Hazırlık	5	2,00
Final Sınavı Hazırlık	5	2,00
Ders Sonrası Bireysel Çalışma	5	1,00
Ders Öncesi Bireysel Çalışma	5	1,00

Assesments

Activities	Weight (%)
Ara Sınav	40,00
Final	60,00

	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15	P.O. 16	P.O. 17	P.O. 18	P.O. 19	P.O. 20	P.O. 21	P.O. 22	P.O. 23	P.O. 24	P.O. 25	P.O. 26	P.O. 27	P.O. 28	P.O. 29	P.O. 30	P.O. 31	P.O. 32	P.O. 33	P.O. 34	P.O. 35	
L.O. 1																																				
L.O. 2		4			5											4					5															
L.O. 3		4		4	4											4																				
L.O. 4																							4				4		4							

Table :

- P.O. 1 : Knows basic rehabilitation concepts.
- P.O. 2 : Knows basic anatomy and physiology concepts.
- P.O. 3 : Knows basic terms of learning and disability education.
- P.O. 4 : Applies basic evaluation principles in medical rehabilitation.
- P.O. 5 : Knows the basic features about occupational therapy.
- P.O. 6 : Knows physical therapy modalities.
- P.O. 7 : Allows therapeutic exercises.
- P.O. 8 : Knows treatment approaches in occupational therapy.
- P.O. 9 : Knows advanced clinical applications in occupational therapy.
- P.O. 10 : Develops social, cultural, and personal skills.
- P.O. 11 : Has the ability to work independently.
- P.O. 12 : They are willing to work together.
- P.O. 13 : Be ethical in his/her field and human relations.
- P.O. 14 : Communicate properly in verbal and in written form.
- P.O. 15 : Evaluate the information and qualifications gained in the study field critically.
- P.O. 16 : Manage learning process and learning how to learn.
- P.O. 17 : Follow developments in the study field by using a foreign language.
- P.O. 18 : Use information and communication technologies required in the study field.
- P.O. 19 : Explains the basic concepts of Atatürk's principles and the history of the revolution.
- P.O. 20 : Reaches a sufficient level of knowledge on environmental protection and occupational safety.
- P.O. 21 : Have a sufficient knowledge about health.
- P.O. 22 : Explains the interaction of human behavior with the social environment with its basic dimensions.
- P.O. 23 : It presents solution-oriented studies for existing problems in society.
- P.O. 24 : Recognizes the problems encountered in the field of nutrition.
- P.O. 25 : Have a sufficient knowledge and skills in human resources management and business life.
- P.O. 26 : Have a basic business knowledge in the field of health.
- P.O. 27 : Gains perspective on different methods and applications of sub-branches of psychology.
- P.O. 28 : Shows the ability to act calmly and calmly in stressful situations.
- P.O. 29 : Knows the beneficial effects of animals on the physical, emotional and mental development of children with special needs.
- P.O. 30 : Knows animal assisted therapy programs.
- P.O. 31 : It is sensitive to lifelong learning and self-development.
- P.O. 32 : Learns basic quality concepts, development, dimensions and elements of quality.
- P.O. 33 : Defines basic physics concepts.
- P.O. 34 : Defines the basic concepts about the science of biostatistics.
- P.O. 35 : Comprehends adequate infrastructure and terminology in home patient care.
- P.O. 36 : Gains knowledge about nutrition principles and applies them in the field.
- P.O. 37 : For correct communication, has an idea about communication methods.
- P.O. 38 : Explains the interaction of human behavior with society with its basic dimensions.
- P.O. 39 : Knows the factors affecting human behavior.
- P.O. 40 : Knows the psychological and sociological factors of human and group behavior.
- P.O. 41 : Uses development and personality theories to explain human behavior.
- L.O. 1 : Define the general concepts of ergonomics.
- L.O. 2 : Gain knowledge about the causes and prevention of work-related musculoskeletal injuries.
- L.O. 3 : Analyzes a person's anthropometric characteristics to identify risk factors that cause musculoskeletal problems
- L.O. 4 : Gain knowledge about work-related psychosocial risk factors and prevention.

