



KURSPLAN

Introduction to Medical Sciences - Bridging Course, 15 högskolepoäng

Introduction to Medical Sciences - Bridging Course, 15 credits

Kurskod:	HIMR20	Utbildningsnivå:	Avancerad nivå
Fastställd av:	Utbildningsrådet 2020-05-14	Utbildningsområde:	Medicinska området
Gäller fr.o.m.:	2020-08-17	Ämnesgrupp:	MT2
Version:	1	Fördjupning:	A1N
Diarienummer:	Department of Rehabilitation		

Lärandemål

Upon completion of the course the student should have the ability to:

Kunskap och förståelse

describe human surface anatomy

describe the human musculoskeletal system

- describe and explain basic human pathophysiology
- describe the fundamental movements of joints and the muscles that create movement
- describe basic biomechanical principles in relation to mobility and assistive technology
- describe common impairments related to the musculoskeletal system
- demonstrate an understanding of the cultural, medical and psychological aspects of living with an impairment
- describe common neurological impairments
- explain the consequences of different assistive technology interventions on body functions and structures.

Färdighet och förmåga

- apply common classification systems for health and wellbeing, health interventions and diagnosis.

Värderingsförmåga och förhållningssätt

- appreciate the ethical implications of working with individuals with a functional variation.

Innehåll

- medical terminology
- a biopsychosocial perspective of disability
- musculoskeletal, nervous, circulatory, integumentary system
- orthopaedic impairments
- neurological impairments
- biomechanics of normal and pathological movement
- patients professional interaction and ethics

- common disease processes that lead to functional impairment
- the human life cycle
- classifications of health and health interventions and diagnosis
- consequences of assistive technology provision on health and wellbeing

Undervisningsformer

The course is implemented through lectures, group work and field studies.

Undervisningen bedrivs på engelska.

Förkunskapskrav

The applicant must hold the minimum of a Bachelor's degree or equivalent (i.e. the equivalent of 180 ECTS credits at an accredited university) in mechanical engineering. Proof of English proficiency is required.

Examination och betyg

Kursen bedöms med betygen A, B, C, D, E, FX eller F.

Examination of the course will be based upon two examinations: one individual written exam and one take home exam.

A senior lecturer serves as examiner for the course.

Distribution of points for examinations will be organised as follows:

In individual written examination Fx will not be applied.

Poängregistrering av examinationen för kursen sker enligt följande system:

Examinationsmoment	Omfattning	Betyg
Take home exam	7,5 hp	A/B/C/D/E/FX/F
Individual written exam	7,5 hp	A/B/C/D/E/FX/F

Kurslitteratur