



## INSTITUTE OF NEUROSCIENCE AND PHYSIOLOGY

### **MNV232 Nordic Advanced Spinal Cord Injury Rehabilitation, 7.5 credits**

Nordisk avancerad ryggmärgsskaderehabilitering, 7,5 högskolepoäng

*Second Cycle*

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#### **Confirmation**

This course syllabus was confirmed by Institute of Neuroscience and Physiology on 2018-05-29 and was last revised on 2020-03-02 to be valid from 2020-08-24, autumn semester of 2020.

*Field of education:* Nursing Science 100%

*Department:* Institute of Neuroscience and Physiology

#### **Position in the educational system**

The course Nordic Advanced Spinal Cord Injury Rehabilitation, 7.5 credits is to be given as contract education at second cycle level but can also be given as a freestanding course.

*Main field of studies*

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*Specialization*

A1N, Second cycle, has only first-cycle course/s as entry requirements

#### **Entry requirements**

Swedish B and English A as well as qualification at university level of at least 180 credits in some of health sciences' main field of study or the equivalent. For contract education, the requirements is a recommendation.

#### **Learning outcomes**

On successful completion of the course the student should be able to:

*Knowledge and understanding*

- Describe how symptoms, prognosis, complications and comorbidity can be explained by functional neuroanatomy and pathophysiological mechanisms for persons with spinal cord injury
- In a Nordic perspective, give an overview of the epidemiology, organisation, and process for rehabilitation of persons with spinal cord injury

*Competence and skills*

- Identify and discuss possibilities and impediments regarding activity and participation for persons with spinal cord injury
- Evaluate the need for and suggest specific team based rehabilitation interventions in spinal cord injury rehabilitation, from a person-centered perspective and for improvements in the own and others' clinical department
- Search, analyse and value scientific evidence in spinal cord injury rehabilitation
- Critically review and discuss spinal cord injury rehabilitation in their own as well as others', clinical department and within the own profession
- Discuss principles and methods for spinal cord injury rehabilitation with regards to person-centred care and health promotion approaches and team work
- Discuss forms of assessments and follow-up in spinal cord injury rehabilitation

*Judgement and approach*

- Reflect on equal care, cultural aspects and ethical dilemmas in rehabilitation of persons with spinal cord injuries
- Reflect on and argue for the importance of different professions in the for interprofessional teamwork in the rehabilitation process
- Reflect on need of sustainable rehabilitation, lifelong learning and improvement within spinal cord rehabilitation

**Course content**

- Anatomy and physiology related to symptoms and regarding level of function, activity and participation
- Medical and rehabilitation oriented interventions in the acute and rehabilitation stage of traumatic and non traumatic spinal cord injuries in a Nordic context
- Prevention, mechanisms and treatment of complications in spinal cord injury
- Theoretical points for, and application of, interprofessional teamwork, team communication and leadership
- Profound knowledge of improvement
- Ethics
- Health promotion and person-centred care

### **Form of teaching**

Lectures and seminars, problem-/case based learning, intra- and interprofessional group assignments with practical assignments and individual portfolio. The course is a web-based distance learning with two campus occasions (start-up days and close days). Individual studies and in team take place between the campus events.

*Language of instruction:* English

Course participant's first language can occur in supervision as well as during group assignments and discussions.

### **Assessment**

Assessment takes place one individual portfolio, one presentation of realistic improvement work in team as and one presentation of teams' work according to case methodology. For the grade Pass, passed oral and written presentation of improvement work as well as active participation in compulsory course components such as interprofessional group assignments (80% attendance), seminars and examination is required. Active participation corresponds to critically review and reflect at the time for examination. Absence from an examination will be complimented with a written examination.

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In case a course is discontinued or has undergone major changes the student should normally be guaranteed access to at least three examination sessions (including regular examination session) during a period of at least one year based on the earlier set-up of the course.

### **Grades**

The grading scale comprises: Pass (G) and Fail (U).

### **Course evaluation**

On completion of the course, an anonymous, digital course evaluation is carried out. The result and any changes to the course setup will be communicated to the students who carried out the evaluation and to the students who are to start the course. The result and any changes to the course setup will be communicated to the students who carried out the evaluation and to the students who are to start the course.

